

Memorandum



Date: July 24, 2007

To: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners

Agenda Item No. 14(A)(21)

From: George M. Burgess
County Manager

Subject: Resolution Authorizing Interim Agreement for Maintenance of Satellite Transit Shuttle at Miami International Airport with Bombardier Transportation (Holdings) USA, Inc., for a maximum contract amount of \$2,526,972.17 million; Waiving Competitive Bid Requirements and Bid Protest Procedures

Recommendation

It is recommended that the Board award the attached Interim Agreement for Maintenance of the Satellite Transit Shuttle (STS) at Miami International Airport (MIA) with Bombardier Transportation (Holdings) USA, Inc., for a maximum contract amount of \$2,526,972.17 million for a six-month period; waive competitive bidding procedures pursuant to Section 2-8.1 of the Miami-Dade County Code and Section 5.03D of the Home Rule Charter by a two-thirds vote; waive bid protest procedures of Sections 2-8.3, and 2-8.4 of the Code; and authorize the Mayor or his designee to execute the contract substantially in the form attached hereto and to exercise any termination provisions therein.

Scope

Miami International Airport (MIA) is located within Commission District Six; however, the impact of this agenda item is countywide as MIA is a regional asset.

Fiscal Impact/Funding Source

The cost for Bombardier to provide this service for six months, including the provision of two additional technicians to provide maintenance service and continued repairs to various components and parts is \$2,526,972.17 million, which includes the Inspector General Account.

Track Record/Monitor

Bombardier is the original equipment manufacturer (OEM) of the STS system and has been the service provider since the mid-1970s. Bombardier possesses an intimate and unique knowledge of the system, and employs staff that is not only familiar with the system and equipment, but is well trained to troubleshoot problem areas and effect immediate repairs. Bombardier has to modify, reverse engineer and re-engineer many of the trains' systems, components and equipment because they are no longer commercially available. Bombardier has more than 27 years of experience at MIA and MDAD needs them to remain available to operate, repair and service the existing STS system as well as to provide the parts to meet demands. Their performance has been and continues to be satisfactory. Metro-Dade Transit also reports satisfactory performance.

Arthur Buck is the project manager and will monitor this contract.

Background

The current contract for maintenance and repair of the E-Satellite Transit Shuttle System (STS system) will expire on July 31, 2007. On or around April 30, 2007, Bombardier raised concerns about the safety of the shuttle system leading to the temporary shutdown of the trains. A team of experts was assembled including Bombardier and Metro-Dade Transit (MDT) to evaluate the condition of the trains. Some minor deficiencies were found that have been or are currently being repaired. The north train has been back in service since June 1, 2007, while the south train is currently under repair. The running surface of the guideway needed repairs and MDT performed the work in record time. It is believed by Lea + Elliott, Inc., and Lucius Pitkins, Inc. -- the consultants hired by MDAD to evaluate the condition of the trains -- that with the additional repairs currently being made, the trains can continue to operate safely for up to five (5) additional years. Periodic inspections will be needed to continue monitoring the condition of the trains. MDAD, however, intends to replace these trains before this five (5) year period runs out.

In order to keep the current train system in operation, MDAD has been working to identify critical repairs/replacements needed for the STS system with Bombardier since September 2006, including negotiation of an extension to the existing contract for six (6) months. On March 15, 2007, the Board of County Commissioners (Board) approved MDAD's request to extend the contract with Bombardier for a six (6) month period. However, in late April of 2007, a couple of days before the contract was originally scheduled to terminate, Bombardier informed us that they would not accept the contract extension offered by the County. Instead, Bombardier required significant material changes to their original contract language in order to continue providing maintenance and services to the STS system. Bombardier's primary concern stems from the fact that the trains are past their design life. Since then, MDAD has been diligently negotiating with Bombardier on the terms of a new contract to keep the STS system operating. The parties, pursuant to a provision in the original agreement, agreed to extend the contract termination date until July 31, 2007.

In the contract before the Board for approval, the language that Bombardier requested and that MDAD is recommending is not in line with the County's standard contract practices. The main non-standard terms are the provisions for termination of the contract for impracticability, section 1.10(B), and limitation of liability, section 2.13. Pursuant to section 1.10(B), Bombardier will be able to terminate the contract if Bombardier determines that the system is impracticable or unsafe to operate and in section 2.13, Bombardier seeks to cap their liability, in regard to their negligent performance, at \$5,000,000.

The STS system and equipment is essential to the operation of MIA in the movement of passengers and cannot be out of service without causing great disruption to the airlines. In the coming years, until North Terminal is constructed and put into service, this system will actually become even more critical because with the closure of Concourse A, American Airlines (American) will move additional flights to Concourse E-Satellite, which this system solely serves. Since June 1, 2007, American moved 12 flights to the Concourse E-Satellite with more expected through November. A continuous busing operation for the volume of passengers carried by American and other airlines using the E-Satellite facility is not possible due to the size limitations of the current bus stations. Moreover, busing is a major inconvenience to the traveling public. Busing will only be used in case of train failure and with the increase in passengers this may no longer be a viable option in the coming months.

This recommended contract is a necessary interim measure that will allow MIA to continue to provide uninterrupted train service, while MDAD proceeds with a competitive bid for long-term maintenance of the STS system.

In an accompanying item on this agenda, MDAD is seeking the Board's approval to advertise for a competitive bid and award a new contract for STS maintenance services. We have recently learned that there are two (2) companies, other than Bombardier, that may be qualified and interested in bidding this work. Additionally, MDT is also qualified to do this work, but may not have sufficient personnel to take on this project. It is our intent to bring a recommendation to the Board so that we may have a new contract in place as soon as possible.

PROJECT LOCATION:	Miami International Airport
COMPANY NAME:	Bombardier Transportation (Holdings) USA, Inc.
TERM OF AGREEMENT:	Six (6) months
OPTION(S) TO RENEW:	None
CONTRACT AMOUNT:	\$2,520, 671.17 million
INSPECTOR GENERAL:	\$6,301
ALLOWANCES/CONTINGENCY ORDINANCE NO. 00-65:	Not Applicable
CONTRACT MEASURES:	No Measures (Lack of Availability)
CONTRACT MEASURES ACHIEVED:	No Measures
REVIEW COMMITTEE DATE:	July 18, 2007
COMPANY PRINCIPAL(S)	Edward Gordon, VP of Marketing APM systems David Allen, VP of Contracts Raymond T. Betler, Pres. Chief Oper. Off. Keith Horton, VP of Finance
COMPANY QUALIFIER(S):	Not Applicable
LOCATION OF COMPANY:	1501 Lebanon Church Rd. Pittsburg, PA 15236-1491
YEARS IN BUSINESS:	Since 1988
GENDER, ETHNICITY & OWNERSHIP BREAKDOWN:	Wholly owned subsidiary of Bombardier Corporation which is owned by Bombardier, Inc., the parent company

**PREVIOUS AGREEMENTS
WITH THE COUNTY WITHIN
THE PAST FIVE (5) YEARS:**

Two Contracts as follows:

(1) Contract with MDAD for O & M for approximately \$1.9 million per year from the origination date; (2) Contract with MDT for approximately \$25,485,383.

ADVERTISEMENT DATE:

Not Applicable

LIVING WAGE:

Applicable

USING DEPARTMENT:

Miami-Dade Aviation Department



Assistant County Manager




MEMORANDUM

(Revised)

TO: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners

DATE: July 24, 2007

FROM: 
R.A. Cuevas, Jr.
Acting County Attorney

SUBJECT: Agenda Item No. 14(A)(21)

Please note any items checked.

✓

“4-Day Rule” (“3-Day Rule” for committees) applicable if raised

6 weeks required between first reading and public hearing

4 weeks notification to municipal officials required prior to public hearing

Decreases revenues or increases expenditures without balancing budget

Budget required

Statement of fiscal impact required

✓

Bid waiver requiring County Manager’s written recommendation

Ordinance creating a new board requires detailed County Manager’s report for public hearing

Housekeeping item (no policy decision required)

No committee review

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 14(A)(21)
07-24-07

RESOLUTION NO. _____

RESOLUTION AUTHORIZING INTERIM AGREEMENT FOR MAINTENANCE OF SATELLITE TRANSIT SHUTTLE AT MIAMI INTERNATIONAL AIRPORT TO BOMBARDIER TRANSPORTATION (HOLDINGS) USA INC. FOR A MAXIMUM CONTRACT AMOUNT OF \$2,526,972.17 MILLION FOR A SIX MONTH PERIOD; AUTHORIZING THE MAYOR OR HIS DESIGNEE TO EXECUTE SAME AND TO EXERCISE THE TERMINATION PROVISIONS CONTAINED THEREIN; WAIVING COMPETITIVE BID REQUIREMENTS AND BID PROTEST PROCEDURES

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board hereby approves an interim contract to Bombardier Transportation (Holdings) USA, Inc. to repair and maintain the Miami International Airport (MIA) Satellite Transit Shuttle system, and to provide spare parts as required for a six month period for a maximum contract amount of up to \$2,526,972.17 million (which includes the Inspector General Account) all as more particularly set forth in the accompanying memorandum from the County Manager; waives formal competitive bidding procedures for this agreement pursuant to the provisions of section 5.03(D) of the Charter and Section 2-8.1(b) of the Miami-Dade County Code by a two-thirds vote of those present and upon the written recommendation of the County Manager; waives bid protest procedures pursuant to Sections 2-8.3 and 2-8.4 of the Code; and authorizes the Mayor or his designee to execute the same on behalf of Miami-Dade County in substantially the form attached hereto and made a part hereof, and to exercise the termination provisions therein.

The foregoing resolution was offered by Commissioner _____, who moved its adoption. The motion was seconded by Commissioner _____ and upon being put to a vote, the vote was as follows:

Bruno A. Barreiro, Chairman	
Barbara J. Jordan, Vice-Chairwoman	
Jose "Pepe" Diaz	Audrey M. Edmonson
Carlos A. Gimenez	Sally A. Heyman
Joe A. Martinez	Dennis C. Moss
Dorrin D. Rolle	Natacha Seijas
Katy Sorenson	Rebeca Sosa
Sen. Javier D. Souto	

The Chairperson thereupon declared the resolution duly passed and adopted this 24th day of July, 2007. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

CAL

Cynji Lee

MIAMI-DADE COUNTY, FLORIDA

**INTERIM AGREEMENT FOR MAINTENANCE OF
SATELLITE TRANSIT SHUTTLE AT MIAMI
INTERNATIONAL AIRPORT FOR SIX MONTH PERIOD
COMMENSING JULY 29, 2007 AND ENDING JANUARY 28,
2008**

**FOR INFORMATION CONTACT:
ARTHUR BUCK, MDAD AT 305-876-7278**

MIAMI-DADE AVIATION DEPARTMENT CONTRACTS AND CONSTRUCTION
DIVISION ENGINEERING

MIAMI-DADE AVIATION DEPARTMENT
CONTRACTS AND CONSTRUCTION DIVISION
ENGINEERING

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INTERIM AGREEMENT

THIS INTERIM AGREEMENT made and entered into as of the _____ day of _____, 20____, by and between Miami-Dade County, Florida, by its Board of County Commissioners, hereinafter called the Owner and

Bombardier Transportation (Holdings) USA, Inc.

hereinafter called the Contractor:

WITNESSETH, that the said Contractor, for and in consideration of the payments hereinafter specified and agreed to be made by the County, hereby covenants and agrees to furnish and deliver all the materials required, to do and perform all the Work and labor, in a satisfactory and workmanlike manner, required to complete this Interim Agreement within the time specified, in strict and entire conformity with the Plans, Technical Specifications and other Contract Documents, which are hereby incorporated into this Interim Agreement by reference, for;

PROJECT TITLE: Interim Agreement for Maintenance of Satellite Transit Shuttle System

PROJECT NO: N093A

The Contractor agrees to make payment of all proper charges for labor and materials required in the aforementioned Work, and to defend, indemnify and hold the County and all its officers, employees, agents and instrumentalities from any and all liability, losses and damages, including attorney's fees and cost of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits or causes of actions or proceedings of any kind or nature to the extent arising out of, relating to or resulting from the negligent performance or willful misconduct of the Contractor or its employees, agents, servants, partners, principals or subcontractors. The Contractor shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or action of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments and attorneys fees which may issue thereon. The Contractor expressly understands and agrees that any insurance protection required by this agreement or otherwise provided by the Contractor shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County, or its officers, employees, agents and instrumentalities as herein provided.

In consideration of these premises, the County hereby agrees to pay to the Contractor for the said Work, when fully completed, the total maximum sum of

Two Million Five Hundred Twenty Six Thousand Nine Hundred Seventy Two 17/100 Dollars (\$ 2,526,972.17),

consisting of the following accepted items or schedules of Work:

<u>Total Unit L.S. Months 1-6</u>	<u>\$ 1,020,671.17</u>
<u>General Allowance Account</u>	<u>\$ 900,000.00</u>
<u>Dedicated Allowance Account</u>	<u>\$ 600,000.00</u>
<u>Inspector General Audit Account (0.25% of contract value).....</u>	<u>\$ 6301.00</u>

TOTAL MAXIMUM CONTRACT AMOUNT\$ 2,526,972.17

The total maximum contract amount is subject to such additions and deductions as may be provided for in the contract documents. Partial and Final Payments will be made as provided for in the contract documents.

INTERIM AGREEMENT (Cont'd)

IN WITNESS WHEREOF, the above parties have caused this Interim Agreement to be executed by their appropriate officials as of the date first above written.

**BOARD OF COUNTY COMMISSIONERS
OF MIAMI-DADE COUNTY, FLORIDA,**

ATTEST: Harvey Ruvin Clerk

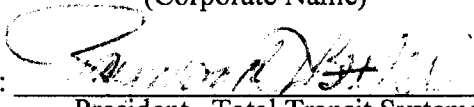
By: _____
Mayor or designee

By: _____
Deputy Clerk


(MIAMI-DADE COUNTY SEAL)

CONTRACTOR (If Corporation)

Approved for Form and Legal Sufficiency

(Corporate Name)
By: 
President, Total Transit Systems

(Assistant County Attorney)

By: 
Vice President, Business Operations

**SECTION 1
GENERAL TERMS AND CONDITIONS**

1.1 DEFINITIONS

The term “bid” shall refer to any offer(s) submitted in response to this bid solicitation.

The term “County” shall refer to Miami-Dade County.

The term “bidder” shall refer to anyone submitting a bid in response to this bid solicitation.

The term “contractor” or “successful bidder” shall refer to the bidder receiving an award as a result of this bid solicitation.

The term “bid solicitation” shall mean this bid solicitation, the bidder’s response to this bid solicitation, as approved by the County in accordance with Administrative Order 3-2 and any purchase order or change order issued by DPM.

The term “DPM” shall refer to Miami-Dade County’s Department of Procurement Management.

1.2 CONTENTS OF BID

A. General Conditions

- (1) It is the sole responsibility of the bidder to become thoroughly familiar with the bid requirements and all terms and conditions affecting the performance of this bid solicitation. Pleas of ignorance by the bidder of conditions that exist, or that may exist will not be accepted as a basis for varying the requirements of the County, or the compensation to be paid to the successful bidder.
- (2) The bidder is advised that this bid solicitation is subject to all legal requirements contained in the County’s Administrative Order 3-2 and all other applicable County Ordinances and/or State and Federal Statues. Where conflicts exist between this bid solicitation and these legal requirements, the higher authority shall prevail in the following order:

B. Additional Information/Addenda

- (1) Request for additional information, explanation, clarification or interpretation must be made in writing to the Department of Procurement Management, Bids and Contracts Division contact person identified on the cover page of this bid solicitation and file a copy with the Clerk of the Board, 111 NW 1st Street, 17th Floor, Suite 202, Miami, Florida. The request shall be received no later than **fourteen (14)** working days prior to the bid opening date. Any request received after that time may not be reviewed for inclusion in this bid solicitation. The request shall contain the requester's name, address, and telephone number. If transmitted by facsimile, the request shall also include a cover sheet, with the sender's facsimile number. This bid solicitation is subject to the **"Cone of Silence"** in accordance with County **Ordinance No. 98-106**.

"CONE OF SILENCE"

PURSUANT TO ORDINANCE 98-106, AS AMENDED, A "CONE OF SILENCE" IS IMPOSED UPON RFP's, RFQs OR BIDS AFTER ADVERTISEMENT AND TERMINATES AT THE TIME THE COUNTY MANAGER ISSUES A WRITTEN RECOMMENDATION TO THE BOARD OF COUNTY COMMISSIONERS. THE CONE OF SILENCE PROHIBITS COMMUNICATION REGARDING RFPs, RFQs OR BIDS BETWEEN POTENTIAL VENDORS, SERVICE PROVIDERS, BIDDERS, LOBBYISTS OR CONSULTANTS AND THE COUNTY'S PROFESSIONAL STAFF INCLUDING, BUT NOT LIMITED TO, THE COUNTY MANAGER AND THE COUNTY MANAGER'S STAFF. A CONE OF SILENCE IS ALSO IMPOSED BETWEEN THE MAYOR, COUNTY COMMISSIONERS OR THEIR RESEPECTIVE STAFFS AND ANY MEMBER OF THE COUNTY'S PROFESSIONAL STAFF INCLUDING, BUT NOT LIMITED TO, THE COUNTY MANAGER AND THE COUNTY MANAGER'S STAFF.

THE PROVISIONS OF ORDINANCE 98-106 DO NOT APPLY TO ORAL COMMUNICATIONS AT PRE-BID CONFERENCES, ORAL PRESENTATIONS BEFORE SELECTION COMMITTEES, CONTRACT NEGOTIATIONS DURING ANY DULY NOTICED PUBLIC MEETING OR COMMUNICATIONS IN WRITING AT ANY TIME UNLESS SPECIFICALLY PROHIBITED BY THE APPLICABLE RFP, RFQ OR BID DOCUMENT. BIDDERS OR PROPOSERS MUST FILE A COPYOF ANY WRITTEN COMMUNICATION WITH THE CLERK OF THE BOARD, WHICH SHALL BE MADE AVAILABLE TO ANY PERSON UPON REQUEST. THE COUNTY SHALL RESPOND IN WRITING AND FILE A COPY WITH THE CLERK OF THE BOARD, WHICH SHALL BE MADE AVAILABLE TO ANY PERSON UPON REQUEST.

IN ADDITION TO ANY OTHER PENALTIES PROVIDED BY LAW, VIOLATION OF ORDINANCE 98-106 BY ANY BIDDER OR PROPOSER SHALL RENDER ANY RFP AWARD, RFQ AWARD OR BID AWARD VOIDABLE. ANY PERSON HAVING PERSONAL KNOWLEDGE OF A VIOLATION OF THIS ORDINANCE SHALL REPORT SUCH VIOLATION TO THE STATE ATTORNEY AND/OR MAY FILE A COMPLAINT WITH THE ETHICS COMMISSION. BIDDERS OR PROPOSERS SHOULD REFERENCE THE ACTUAL ORDINANCE FOR FURTHER CLARIFICATION.

- (2) The Department of Procurement Management, Bids and Contracts Division will issue a response to any inquiry, as it deems necessary, by written addenda, issued prior to the bid opening date. The bidder shall not rely on any representation, statement or explanation other than those made in this bid solicitation document or in any addenda issued. Where there appears a conflict between this bid solicitation, and any addenda issued, the last addendum issued will prevail.
- (3) It is the bidder's responsibility to ensure receipt of all addenda and substitute bid proposal forms. If applicable, the bidder is required to submit the substitute bid proposal forms and acknowledge the number of addenda received as part of this bid solicitation, by completing and signing the attached Addenda Acknowledgment Form.

C. Conflicts in this Bid Solicitation

Where there appears to be a conflict between the General Terms and Conditions, the Special Conditions, the Technical Specifications, the bid proposal Section, or any addendum issued, the order of precedence shall be: the last addendum issued, the bid proposal Section, the Technical Specifications, the Special Conditions, and then the General Terms and Conditions.

D. Prices Contained in this Bid Solicitation

(1) Prompt Payment Terms

- a. The bidder may offer cash discounts for prompt payments; however, such discounts will not be considered in determining the lowest price for bid evaluation purposes.
- b. The bidder is required to provide prompt payment terms in the space provided on the bid proposal signature page of this bid solicitation. If no prompt payment discount is being offered, the bidder shall enter zero (0) for the percentage discount to indicate no discount. If the bidder fails to enter a percentage, it is hereby understood and agreed that the payment terms will be 2% 20 days, effective after receipt of invoice or final acceptance, whichever is later.

1.3 PREPARATION AND SUBMISSION OF BID

A. Preparation/Submission

- (1) The bid proposal form shall be used when submitting a bid. Use of any other form shall result in the rejection of the bidder's Proposal.

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- (2) The bid will either be typed or completed legibly in ink. The bidder's authorized agent will sign the bid proposal Form in ink, and the authorized agent will initial all corrections made by the bidder in ink. The use of pencil or erasable ink may result in the rejection of the bid. **Failure to sign the Bid Proposal signature page will render your bid non-responsive.**
- (3) Where there is discrepancy between the unit prices and any extended prices, the unit prices will prevail.
- (4) The County may consider additional bid proposal(s) from the same bidder for the same bid solicitation, provided that; (a) the additional bid(s) offer a different product and/or level of service that meets or exceeds this bid solicitation requirements; (b) the bidder completes a separate bid proposal Form for each bid and shall mark "Alternate bid(s)" on the first page. Failure to comply with the foregoing may result in the rejection of the additional bid(s).
- (5) The bidder is allowed to offer multiple product brand names for each item listed on the bid proposal; provided that (a) such offer is allowable in accordance with Section 2.9 of this bid solicitation and (b) the same price is offered for all brand names bid. If the County determines that all brand names are acceptable based on the quality standards, the County may, at its option, order either of the brands names made available through this bid solicitation. Conversely, the Vendor will deliver the brand name that has been ordered by the County.
- (6) Unless otherwise specified in the Special Terms and Conditions, the proposed delivery and/or completion time, if required, shall be stated in calendar days.
- (7) The bidder shall not charge tax, as the County is exempt from all State, Excise, Federal and Local sales tax. Notwithstanding, any tax on materials and/or supplies which are purchased by the bidder, in conjunction with this bid solicitation shall be subject to the Florida State Sales Tax, in accordance with Section 2.1208 of Florida Statutes, amended 1970, and all amendments thereto, shall be borne solely by the bidder. When the bidder does not manufacture the materials and/or supplies, taxes must be incorporated in the bid price, not as a separate item. When materials and/or supplies are manufactured by the bidder and are not for resale, the County is exempt. The County may be subject to applicable taxes on goods purchased for the purpose of resale. Upon request, the County will provide a tax exemption certificate, if applicable. Any special tax requirements will be specified either in the Special Conditions or in the Technical Specifications.
- (8) Any telegraphic or facsimile bid will not be considered.
- (9) The bidder shall incorporate in their bid price all costs related to this bid solicitation.

- (10) The apparent silence of the specifications and any addenda regarding any details or the omission from the specifications of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail, and that only materials and workmanship of first quality are to be used. All interpretations of the specifications shall be made upon the basis of this bid solicitation.

B. Vendor Registration

The County requires the bidder to complete a registration application including the required disclosure affidavits with the Department of Procurement Management. The bidder must be registered to be recommended for any contract award*. To register, or for assistance on registering, contact Vendor Assistance at 305-375-5287.

***Section 2.11.1 (d) of the County Code provides that a person (County Employee) may not enter into any contract or transact any business through a firm, corporation, partnership or business entity in which he or any member of his immediate family has a controlling financial interest, direct or indirect, with the County or any person or agency acting for the County and any such contract, agreement or business engagement entered in violation of this subsection shall render the transaction voidable. For additional information please contact the Ethics Commission hot line at 305-579-2593.**

The following are the documents with the vendor registration application:

(1) Disclosure of Employment Affidavit

Pursuant to County Ordinance No. 90-133, the bidder shall disclose the composition of the workforce, wages and benefits to be paid and existence of collective bargaining agreement.

(2) Disclosure of Ownership Affidavit

Pursuant to County Ordinance No. 88-121, the bidder shall disclose the full legal name and business address of any individual (other than subcontractors, materialmen, suppliers, laborers, or lenders) that have, or will have any interest (legal, equitable beneficial or otherwise) in the contract or business transaction with the County. If the contract or business transaction is with a corporation, the full legal name and business address shall be provided for each officer and director and each stockholder who holds directly or indirectly five percent (5%) or more of the corporation's stock. If the contract or business transaction is with a trust, the full legal name and address shall be provided for each trustee and each beneficiary. Post Office addresses are not acceptable.

(3) Drug-Free Affidavit

Pursuant to County Ordinance No. 92-15, the bidder shall certify that it is provide drug-free workplace and notices to each employee of the danger of drug abuse; the firm's policy of maintaining a drug-free environment; availability of drug counseling, rehabilitation and employee assistance programs; and penalties that may be imposed upon employees for drug abuse violations. The bidder shall also require an employee to sign a statement, as a condition of employment that the employee will abide by the terms of the drug-free workplace policy, and notify the employer if any criminal conviction occurring no later than five (5) days after receiving notice of such conviction, and impose appropriate personnel action against the employee up to and including termination.

(4) Family Leave Affidavit

Pursuant to County Ordinance No.91-142, the bidder shall certify that it entitles an employee who has worked for the firm for at least one (1) year, ninety (90) days of family leave during any twenty-four (24) month period, for medical reasons, for the birth or adoption of a child, or for the care of a child, spouse or other close relative who has a serious health condition without risk of termination or employment or employer retaliation.

(5) W-9 and 8109 forms

The bidder must furnish a W-9 and 8109 (Federal Tax Deposit Coupon) forms as required by the Internal Revenue Service in order to enter into this contract with the County.

(6) Social Security Number

The bidder must furnish a copy of the Social Security card if a social security number is being used in lieu of the Federal Identification Number (F.E.I.N.).

C. Americans with Disabilities Act (A.D.A.) Affidavit

It is the policy of the County to comply with all requirements of the Americans with Disabilities Act (A.D.A.). For A.D.A. complaints call 305-375-3566. The bidder recommended for award shall be required to complete an A.D.A. affidavit in accordance with County Resolution No. 385-95 prior to the award of this bid solicitation. Failure to complete the affidavit as required may result in the rescinding of the recommendation for award. (See Appendix -Section 1)

D. Antitrust Laws

By acceptance of this contract, the successful bidder agrees to comply with all antitrust laws of the United States and the State of Florida, in order to protect the public from restraint of trade, which illegally increases prices.

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E. Collection of Fees, Taxes and Parking Tickets Affidavit

Pursuant to the procedures contained in Section 2-8.1 (c) of the County Code, and as amended by County Ordinance No. 95-178, the bidder shall certify that all delinquent and currently due fees, taxes and parking tickets have been paid, **(See Appendix - Section 1)**

F. Conflict of Interest and Code of Ethics

Prohibition of County Employees contracting with the County No person included in the terms defined in 2-11.1(b)(1)through(6) and(9) of the Code of Miami-Dade County shall enter into any contract or transact any business in which he or a member of his immediate family has a financial interest, direct or indirect, with Miami-Dade County or any person or agency acting for Miami-Dade County or any person or agency acting for Miami-Dade County. Any such contract, agreement or business engagement entered in violation of the Conflict of Interest and Code of Ethics Ordinance shall render the transaction voidable. Willful violation of this subsection shall constitute malfeasance in office and shall effect forfeiture of office or position.

County Ordinance No. 00-1, amending Section 2-1 1.1(c) of the Code of Miami-Dade County, provides a limited exclusion from the foregoing prohibition on transacting business with the County for employees and their immediate family. County employees and members of their immediate family may enter into contracts, individually or through a firm, corporation, partnership or business entity in which the employee or any member of his or her immediate family has a controlling financial interest, with Miami-Dade County or any person or agency acting for Miami-Dade County, provided that:

- (1) Entering into the contract would not interfere with the full and faithful discharge by the employee of his or her duties to the County;
- (2) The employee has not participated in determining the subject contract requirements or awarding the contract; and
- (3) the employee's job responsibilities and job description will not require him or her to be involved with the contract in any way, including, but not limited to its enforcement, oversight, administration, amendment, extension, termination or forbearance.

Any affected County employee shall seek a conflict of interest opinion from the Miami-Dade County Commission on Ethics and Public Trust ("the Ethics Commission") prior to submittal of a bid, response or application of any type to contract with the County by the employee or his or her immediate family. A request for a conflict of interest opinion shall be made in writing and shall set forth and include all pertinent facts and relevant documents.

The employee shall file with the Clerk a statement in a form satisfactory to the Clerk disclosing the employee's interest or the interest of his or her immediate family in the proposed contract and the nature of the intended contract at the same time as or before submitting a bid, response, or application of any type to contract with the County. Also a copy of the request for a conflict of interest opinion from the Ethics Commission and any corresponding opinion, or any waiver issued by the Board of County Commissioners, must be submitted with the response to the solicitation to contract with the County.

The County 'employee has the right to seek a legal opinion from the State of Florida Ethics' Commission regarding the applicability of state law conflict of interest provisions.

G. Criminal Conviction Disclosure

Pursuant to County Ordinance No. 94-34, "Any individual who has been convicted of a felony during the past ten (10) years and any corporation, partnership, joint venture or other legal entity having an officer, director, or executive who has been convicted of a felony during the past ten (10) years shall disclose this information prior to entering into a contract with or receiving funding from the County."

H. Debarment Disclosure Affidavit

Pursuant to County Ordinance No. 93-129, the bidder will agree to comply with the provisions of this ordinance, which prevents the contractor, subcontractors, their officers, their principals, stockholders, and their affiliates who have been debarred by the County, from entering into this contract with the County during the period for which they have been debarred. It is the bidders responsibility to ascertain that none of the subcontractors, their officers, principals, or affiliates, as defined in the ordinance, are debarred by the County pursuant to Ordinance No. 93-129 and Administrative Order 3-2 before submitting the bid proposal. The Disclosure Affidavit requires the bidder to affirm under oath, that the County debar neither the bidder, its subcontractors, or their officers, principals nor affiliates, at the time of the bid proposal. If the bidder fails to complete the Disclosure Affidavit it shall not be awarded this contract. If this contract is entered into in violation of this ordinance, it is void, and any person who willfully fails to disclose the required information or who knowingly discloses civil or criminal penalties, or both can punish false information, as provided for in the law. (See Appendix -Section 1)

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I. Independent Private Sector Inspector General

- (1) Pursuant to A.O. 3-20, the County has the right to retain the services of an independent private sector inspector general (IPSIG). Upon written notice from the County, the Vendor shall make available to the IPSIG retained by the County all requested records and documents for inspection and copying. The terms of this provision apply to the bidder, its offices, agents and employees. Nothing contained in this provision shall impair any independent right of the County to audit or investigate the operations, activities and performance of the Vendor in connection with this contract. The terms of this provision are neither intended, nor shall they be construed, to impose any liability on the County by the Vendor or third parties.
- (2) Pursuant to Ordinance 97-215 Miami-Dade County has established the Office of Inspector General, which is required to perform mandatory random audit on all County contract throughout the duration of each contract. The cost of the audit for this contract shall be $\frac{1}{4}$ of 1% of the total contract amount which cost the (Contractor/Vendor/Consultant) agrees is included in the total contract amount. The audit cost will be deducted the County from progress payments to the (Contractor/Vendor/Consultant). The audit cost shall also be included in all change orders to this contract and all contract renewals and extensions.

Accordingly, the audit cost will be deducted from progress payments to the (Contractor/Vendor/Consultant) pursuant to all change orders, contract renewals and extensions.

The Miami-Dade County Inspector General is authorized and empowered to review past, present and proposed County and Public Health Trust programs, contracts transactions, accounts, records and programs. In addition, the Inspector General has monitor existing projects and programs. Monitoring of an existing project or program may include a report concerning whether the project is on time, within budget and in conformance with plans, specifications and applicable law. The inspector general is empowered to analyze the necessity of and reasonableness of proposed change orders to the contract. The Inspector General is empowered to retain the services of independent private sector inspectors general to audit, investigate, monitor, oversee, inspect and review operations, activities, performance and procurement process including but not limited to project design, bid specifications, (bid/proposal) submittals, activities of the (Contractor/Vendor/Consultant), its officers, agents and employees, lobbyists, County staff and elected officials to ensure compliance with contract specifications and to detect fraud and corruption.

Upon 14 days prior written notice to (Contractor/Vendor/Consultant) from the Inspector General or IPSIG retained by the Inspector General, the (Contractor/Vendor/Consultant) shall make all requested records and documents available to the Inspector General or IPSIG for inspection and copying. The Inspector General and IPSIG shall have the right to inspect and copy all documents and records in the (Contractor's/Vendor's/Consultant's) possession, custody or control which, in the Inspector General's or IPSIG's sole judgment, pertain to performance of the contract, including, but not limited to original estimate files, change order estimate files, worksheets, proposals and agreements from and with successful and unsuccessful subcontractors and suppliers, all project-related correspondence, memoranda, instructions, financial documents, construction documents, (bid/proposal) and contract documents, back-charge documents, all documents and records which involve cash, trade or volume discounts, insurance proceeds, rebates, or dividends received, payroll and personal records, and supporting documentation for the aforesaid documents and records.

The provisions in this section shall apply to the (Contract/Vendor/Consultant), its officers, agents, employees, subcontractors and suppliers. The (Contractor/Vendor/Consultant) shall incorporate the provisions in this section in all subcontracts and all other agreements executed by the (Contractor/Vendor/Consultant) in connection with the performance of the contract.

Nothing in this contract shall impair any independent right to the County to conduct audit or investigative activities. The provisions of this section are neither intended nor shall they be construed to impose any liability on the County by the (Contractor/Vendor/Consultant) or third parties.

J. Minority and Disadvantaged Business Enterprises

The County endeavors to obtain the participation of all minority and disadvantaged business enterprises. For information and to apply for certification, contact the Department of Business Development, 175 NW 1st Avenue, 28th Floor, Miami, FL 33123-1844, Phone: 305-349-5960.

K. Public Entity Crimes Sworn Statement

Pursuant to Paragraph 2(2) of Section 287.133, Florida Statutes, "Any person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a bid solicitation to provide goods and/or services to a public entity, may not submit a bid on a bid solicitation with a public entity for construction or repair of a public building or public work, may not submit a bid on leases of real property to a public entity, may not be awarded or perform work as a contractor or, supplier, or subcontractor or consultant under a bid solicitation with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO (\$10,000.00) for a period of thirty-six (36) months from the date of being placed on the convicted vendor list."

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L. Living Wage

In accordance with Ordinance 99-44 beginning November 11, 1999, all Service Contractors who enter into this contract shall agree to pay the Living Wage required by Ordinance 99-44 to all its employees providing Covered Services. The current Living Wage applied to this contract (if applicable) is \$8.56 per hour plus Health Benefits as described in the aforementioned ordinance or \$9.81 per hour without Health Benefits. The Living Wage required by Ordinance 99-44 is subject to indexing as set-forth in Section "C" (Indexing). Such Health Benefits shall consist of payments of at least \$1.25 per hour towards the provision of health care benefits for employees and their dependents. Proof of the provision of Health Insurance must be submitted to the County to qualify for the wage rate for employees with health benefits. The Service Contractor shall also agree to produce all documents and records relating to payroll and compliance with this Ordinance prior to award of this bid solicitation upon request by the Department of Procurement Management, Bids & Contracts Division.

The provisions in this Ordinance applies to all Service Contracts involving the expenditure of over \$100,000 per year for the following types of ("Covered Services) services:

- (i) Food preparation and/or distribution
- (ii) Security services
- (iii) Routine maintenance services such as custodial, cleaning, refuse removal, repair, refinishing and recycling.
- (iv) Clerical or other non-supervisory office work, whether temporary or permanent
- (v) Transportation and parking services including airport and seaport services
- (vi) Printing and reproduction services
- (vii) Landscaping, lawn and/or agricultural services

If records reflect, that the Service Contractor is in violation of this Ordinance, the County has the right to sanction the Service Contractor to include but not limited to termination, fine and suspension.

This Ordinance encompasses various responsibilities that must be accomplished by the successful bidder such as record keeping, posting and reporting. Upon the award of this contract, the successful bidder must be prepared to comply with these requirements as outlined in Ordinance 99-44.

M. Code of Business Ethics

In accordance with Resolution R-994-99 each person or entity that seeks to do business with Miami-Dade County shall adopt the Miami-Dade County/Greater Miami Chamber of Commerce Code of Business Ethics as follows:

Miami-Dade County and the Greater Miami Chamber of Commerce seek to create and sustain an ethical business climate for its members and the community by adopting a Code of Business Ethics. Miami-Dade County/Greater Miami Chamber of Commerce encourages its members to incorporate the principles and practices outlined herein their individual codes of ethics that will guide their relationships with customers, clients and suppliers. This Model Code can and should prominently be displayed at all business locations and may be incorporated into marketing materials. Miami-Dade County/Greater Miami Chamber of Commerce believes that its members should use this Code as a model for the development of their organizations' business codes of ethics.

This Model Code is a statement of principles to help guide decisions and actions based on respect for the importance of ethical business standards in the community. Miami-Dade County/Greater Miami Chamber of Commerce believes the adoption of a meaningful code of ethics is the responsibility of every business and professional organization.

By affixing a signature in the Bid Proposal signature page the bidder hereby agrees to comply with the principles of Miami-Dade County/Greater Miami Chamber of Commerce Code of Business Ethics. If the bidder firm's code varies in any way the bidder must identify the difference(s) on a separate document(s) (cover).

Compliance with Government Rules and Regulations

- We, the undersigned will properly maintain all records and post all licenses and certificates in prominent places easily seen by our employees and customers;
- In dealing with government agencies and employees, we will conduct business in accordance with all applicable rules and regulations and in the open;
- We, the undersigned will report contract irregularities and other improper or unlawful business practices to the Ethics Commission, the Office of Inspector General or appropriate law enforcement authorities.

Recruitment, selection and Compensation of Vendors and Suppliers

- We, the undersigned will avoid conflicts of interest and disclose such conflicts when identified;
- Gifts, which compromise the integrity of a business transaction, are unacceptable; we will not kick back any portion of a contract payment to employees of the other contracting party or accept such kickback.

Business Accounting

- All our financial transactions will be properly and fairly recorded in appropriate books of account, and there will be no “off the books” transactions or secret accounts.

Promotion and Sales of Products and Services

- Our products will comply with all applicable safety and quality standards;
- We, the undersigned will promote and advertise our business and its products or services in a manner which is not misleading and does not falsely disparage our competitors;
- We, the undersigned will conduct business with government agencies and employees in a manner, which avoids even the appearance of impropriety. Efforts to curry political favoritism and unacceptable;
- Our bids will be competitive, appropriate to the bid documents and arrived at independently;
- Any changes to contracts awarded will have a substantive basis and not be pursued merely because we are the successful bidder;
- We, the undersigned will, to the best of our ability, perform government contracts awarded at the price and under the terms provided for in the contract. We will not submit inflated invoices for goods provided or services performed under such contracts, and claims will be made only for work actually performed. We will abide by all contracting and subcontracting regulations.
- We, the undersigned will not, directly or indirectly, offer to give a bribe or otherwise channel kickbacks from contract awarded, to government officials, their family members or business associated.
- We, the undersigned will not seek or expect preferential treatment on bids based on our participation in political campaigns.

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Public Life and Political Campaigns

- We, the undersigned encourage all employees to participate in community life, public service and the political process, to the extent permitted by law;
- We, the undersigned encourage all employees to recruit, support and elect ethical and qualified public officials and engage them in dialogue and debate about business and community issues, to the extent permitted by law;
- Our contributions to political parties, committees or individuals will only be made in accordance with applicable laws and will comply with all requirements for public disclosure. All contributions made on behalf of the business must be reported to senior company management;
- We, the undersigned will not contribute to the campaigns of persons who are convicted felons or those who do not sign the Fair Campaigns Practice Ordinance.
- We, the undersigned will not knowingly disseminate false campaign information or support those who do.

Pass-through Requirements

- This Code prohibits pass-through whereby the prime firm requires that the MBE firm accept payments as a MBE and pass through those payments to another entity;

Rental Space, Equipment and Staff Requirements or Flat Overhead Fee Requirements

- This Code prohibits rental space requirements, equipment requirements, staff requirements and/or flat overhead fee requirements, whereby the prime firm requires the MBE firm to rent space, equipment and/or staff from the prime firm or charges a flat overhead fee for the use of space, equipment, secretary, etc;

MBE Staff Utilization

- This Code prohibits the prime firm from requiring the MBE firm to provide more staff than is necessary and then utilizing the MBE staff for other work to be performed by the prime firm.
- The Code also requires that on any contract where MBE participation is purported, the contract shall specify essential terms including, but not limited to, a specific statement regarding the percent of participation planned for MBEs, the timing of payment and when the work is to be performed.

N. Individuals and Entities Doing Business with the County not Current in their Obligations to the County (See Appendix- Section 1)

Pursuant to Ordinance No. 99-162 and Section 2-8.1 of the County Code, no individual or entity who is in arrears in any payment under a contract, promissory note or other loan document with the County, or any of its agencies or instrumentalities, including the Public Health Trust (herein referred to as "County"), either directly or indirectly through a firm, corporation, partnership or joint venture in which the individual or entity has a controlling financial interest as that term is defined in Section 2-11.1(b)(8) of the County Code, shall be allowed to receive any additional County contracts, purchase orders or extensions of County contracts until either the arrearage has been paid in full or the County has agreed in writing to a payment schedule. Failure to meet the terms and conditions of any obligation or repayment schedule shall constitute a default of the subject contract and may be cause for suspension, termination and debarment, in accordance with the terms of the contract and the debarment procedures of the County.

1.4 MODIFICATION OR WITHDRAWALL OF A BID

A. Modification of a Bid

Any modification by the bidder to a bid shall be submitted to the Clerk Of The Board prior to the time and date set for bid opening. The bidder shall submit the new bid proposal form and a letter, on company letterhead, signed by an authorized agent of the bidder stating that the new submittal supersedes the previously submitted bid proposal. The sealed envelope shall contain the same information as required for submitting the original bid. In addition, the envelope shall contain a statement that this bid replaces the previously submitted bid. No modifications of a bid shall be accepted after the bid has been opened.

B. Withdrawal of a Bid

A bid shall be irrevocable unless the bid is withdrawn as provided herein. Only written letter received by the Clerk Of The Board prior to the bid opening date may withdraw ninety (90) days after the bid was opened and prior to award, by submitting a letter to the contact person identified on the front cover of this bid solicitation. The withdrawal letter must be on company letterhead and signed by an authorized agent of the bidder.

1.5 EVALUATION OF A BID**A. Rejection of Bid**

- (1) The County may reject any bidder's Proposal and award to the next lowest responsive/responsible bidder or may reject and re-advertise for all or any part of this bid solicitation, whenever it is deemed in the best interest of the County. The County shall be the sole judge of what is in its "best interest."
- (2) The County may reject any bid if: (a) prices are not fair and reasonable, as determined by the County, and/or exceed the County's estimated budget for this bid solicitation; (b) the bidder take exceptions to or modifies the terms and conditions of this bid solicitation; (c) the bidder failed to satisfy claims on previous contracts with the County or past-due payments for County services or claims for damage to County property. The County shall be the sole judge of what is "fair and reasonable."

B. Bankruptcy

- (1) Any vendor who, at the time of bid submission, is involved in an ongoing bankruptcy as a debtor, or in a reorganization, liquidation, or dissolution proceeding, or if a trustee or receiver has been appointed over all or a substantial portion of the property of the vendor under federal bankruptcy law or any state insolvency law, may be declared non-responsible.
- (2) The County reserves the right to terminate this contract, if, during the term of any contract the vendor has with the County, he/she becomes involved as a debtor in a bankruptcy proceeding, or becomes involved in a reorganization, dissolution, or liquidation proceeding, or if a trustee or receiver is appointed over all or a substantial portion of the property of the vendor under federal bankruptcy law or any state insolvency law.

C. Bidder's Past Performance

Pursuant to County Ordinance No. 98-42, the bidder's performance as a prime contractor or subcontractor on previous County contracts shall be taken into account in evaluating the bid proposal received for this bid solicitation.

D. Elimination from Consideration

This bid solicitation shall not be awarded to any person or firm which is in arrears to the County upon any debt, taxes or contracts which are defaulted as surety or otherwise upon any obligation to the County.

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E. Waiver of Informalities

The County reserves the right to waive any informalities or irregularities in this bid solicitation.

F. Demonstration of Competency

- (1) A bid will only be considered from a firm that is regularly engaged in the business of providing the goods and/or services required by this bid solicitation. The bidder must be able to demonstrate a good record of performance and have sufficient financial resources, equipment and organization to ensure that they can satisfactorily provide the goods and/or services if awarded this bid solicitation.
- (2) The County may conduct a pre-award inspection of the bidder's site or hold a pre-award qualification hearing to determine if the bidder possesses the requirement as outlined in the above paragraph, and is capable of performing the requirement of this bid solicitation. The County may consider any evidence available regarding the financial, technical and other qualifications and abilities of the bidder, including past performance (experience) with the County or any other governmental entity in making the award.
- (3) The County may require the bidder to show evidence that they have been designated as an authorized representative of a manufacturer, supplier and/or distributor, if required by this bid solicitation.
- (4) The County reserves the right to audit all records pertaining to and resulting from any award from this bid solicitation, financial or otherwise.
- (5) In the event that the bidder will sub-contract all or part of its work to another vendor, or will obtain the goods required in conjunction with this contract with another source of supply, the bidder may be required to verify the competency of its subcontractor or supplier. The County reserves the right, before awarding this contract to require the bidder to submit such evidence of its subcontractor, as it may deem necessary.

G. Copy of Bid Tabulation

The bidder who desires to receive a copy of the bid tabulation shall enclose a self-addressed/stamped envelope (correct size of envelope and postage is a must depending on the amount of information involved) when submitting its bid proposal. Bid results will not be given out by telephone or facsimile.

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1.6 AWARD OF BID SOLICITATION**A. Contract**

This bid solicitation, any addenda and/or properly executed modifications, the purchase order (if issued), and a change order (if applicable), constitute the entire contract.

B. Tie Bid

The Director of Bids and Contracts or designee and according to County Resolution 1574-88 will decide any tie bid.

C. Additional Information

The award of this bid solicitation may be preconditioned on the subsequent submission of other documents, as specified in the Special Conditions or Technical Specifications. The successful bidder shall be in default of its contractual obligation if such documents are not submitted in a timely manner and in the form required by the County. Where the successful bidder is in default of the contractual requirements, the County, through action taken by the Department of Procurement Management, Bids & Contracts Division may rescind the award.

D. Term of Contract

The term of this bid solicitation shall be specified on one of three documents, issued to the successful bidder. These documents may either be this bid solicitation, a purchase order or an award sheet.

E. Contract Extension

The County reserves the right to automatically extend this contract for up to ninety (90) calendar days beyond the stated contract term. The County shall notify the successful bidder in writing of such extensions. Additional extensions over the first ninety (90) day extension may occur, if, the County and the successful bidder are in mutual agreement of such extensions.

F. Warranty

Any implied warranty granted under the Uniform Commercial Code shall apply to all goods purchased under this bid solicitation.

G. Estimated Quantities

Estimated quantities or estimated dollars, if provided, are for bidder's guidance only. No guarantee is expressed or implied as to quantities or dollars that will be used during the contract period. The County is not obligated to place any order for a given amount subsequent to the award of this bid solicitation. Estimates are based upon the County's actual needs and/or usage during a previous contract period. The County for purposes of determining the low bidder meeting specifications may use said estimates.

H. Non-Exclusive Contract

Although the purpose of this bid solicitation is to secure a contract that can satisfy the total needs of the County or of a specific County agency, it is hereby agreed and understood that this bid solicitation does not constitute the exclusive rights of the successful bidder to receive all orders that may be generated by the County in conjunction with this bid solicitation. In addition, any and all commodities, equipment, and service required by the County in conjunction with construction projects are solicited under a distinctly different bid process and shall not be purchased under the terms, conditions and awards rendered under this bid solicitation, unless such purchases are determined to be in the best interest of the County.

I. Local Preference

The award of this bid solicitation is subject to County Ordinance No. 01-21 which, except where Federal or State law mandates to the contrary, allow preference to be given to a local business. For the purposes of the applicability of this Ordinance, "local business" means the bidder, as of the date of the bid opening, has a valid occupational license issued by Miami-Dade County to do business in Miami-Dade County, that authorizes the bidder to provide the goods, services or construction to be purchased, and has a physical business address located within the limits of Miami-Dade County from which the vendor operates or performs business. A Post Office Box can not be used to establish a physical address. When a responsive, responsible non-local business submits the lowest price bid, and the bid submittal by one or more responsive, responsible local businesses is within 5% of the price submitted by the non-local business, then the non-local business and each of the aforementioned local businesses shall have the opportunity to submit a best and final bid equal to or lower than the amount of the low bid previously submitted by the non-local business. The best and final bid will be requested by the County within five working days of the bid opening. In the case of a tie in the best and final bid between a local business and a non-local business, contract award shall be made to the local business.

J. Limited Contract Extension

Any specific work assignment which commences prior to the termination date of the contract and which will extend beyond the termination date including any previous contract extensions) shall, unless terminated by mutual written agreement by both parties, continue until completion at the same prices, terms and conditions as set forth in this bid solicitation.

1.7 BID PROTEST

A recommendation for contract award or rejection of award may be protested by a bidder or proposer in accordance with the procedures contained in Sections 2-8.3 and 2-8.4 of the County Code, as amended, and as established in Administrative Order No. 3-21.

As a condition of initiating any bid or proposal protest, the protester shall present to the Clerk of the Board a non-refundable filing fee payable to the Clerk of the Board in accordance with the schedule provided below.

<u>Award Amount</u>	<u>Filing Fee</u>
\$25,001-\$100,000	\$500
\$100,001 -\$500,000	\$1,000
\$500,001-\$5 million	\$3,000
over \$5 million	\$5,000

Any question, issue, objection or disagreement concerning, generated by, or arising from the published requirements, terms, conditions or processes contained or described in the solicitation document shall be deemed waived by the protester and shall be rejected as a basis for a bid or proposal protest unless it was brought by that bidder or proposer to the attention, in writing, of the procurement agent, buyer, contracting officer or other contact person in the County department that issued the solicitation document at least two working days (not less than 48 hours) prior to the hour of bid opening or proposal submission.

All protests shall be submitted in writing to the Clerk of the Board and shall state with particularity the specific facts and grounds on which it is based, and shall include all pertinent documents and evidence and shall be accompanied by the corresponding filing fee. This shall form the basis for review of the protest and no other facts, grounds, documentation or evidence not contained in the protester's submission to the Clerk of the Board at the time of filing the protest shall be permitted in the consideration of the protest, except for such additional evidence as is allowed during the course of the protest proceedings.

A. Award Recommendations Over \$100,000

Award recommendations for contracts and purchases involving the expenditure of over \$100,000 will be in writing, signed by the issuing department to each competing bidder or proposer announcing the proposed award, and a copy shall be deposited with the Clerk of the Board on the same day it is mailed. The bidder or proposer must file a protest with the Clerk of the Board within ten (10) working days of the date of the award recommendation letter. Within two (2) working days of that filing, the protester shall supply the County Attorney and each bidder or proposer in the competitive process with a true copy of each document that was filed with the protest. A hearing examiner shall be appointed to hear the protest and submit a written report and recommendation to the County Manager within twenty (20) working days of the filing of the protest (maximum 25 working days if hearing examiner consents to extension request).

Failure to timely file the written protest shall constitute a waiver of the right to protest the award recommendation.

B. Award Recommendations Over 525.000 and up to \$100,000

Award recommendations for contracts and purchases involving the expenditure of over \$25,000 up to and including \$100,000 shall be posted by 9:00 am., every Monday in the lobby of the Stephen P. Clark Center, 111 NW 1P: Street, Miami, FL 33128. Such recommendations shall be in writing and shall identify the bidder or proposer to whom the award is being recommended and the basis therefore. It is the responsibility of the bidder or proposer to monitor such bulletin after bid opening or proposal submission to ascertain that a recommendation for award has been made. Participants can call the Awards Line at 305-375-4724 or (800) 510-4724, or contact the person identified on the cover page of the solicitation.

The bidder or proposer must file a protest with the Clerk of the Board within five (5) working days of the posting of the award recommendation, together with the \$500 nonrefundable filing fee. Award recommendations for which a protest is not received within the five (5) working day period shall be awarded in accordance with the department's recommendation. Not later than twenty (20) working days from the filing of the protest, the Director of the issuing department shall review the written recommendation for award and the written protest, and after consultation with the County Attorney, issue a recommendation to the County Manager for final disposition of the protest.

The department shall provide an opportunity to settle the protest by mutual agreement within five (5) working days of the filing of the protest.

C. Award Recommendations \$25,000 and Less

Award recommendations for contracts and purchases involving the expenditure of \$25000 or less are considered final and may not be protested.

1.8 CONTRACTUAL OBLIGATIONS**A. Rules, Regulations, Licensing Requirements**

The successful bidder shall comply with all laws and regulations applicable to the goods and/or services contained in this bid solicitation. The bidder is presumed to be familiar with all Federal, State and local laws, ordinances, codes and regulations that may in any way affect the goods and/or services offered.

B. County Contractors Employment and Procurement Practices Affidavit

In accordance with the requirements of Ordinance 98-30, all firms with annual gross revenues in excess of \$5 million, seeking to contract with Miami-Dade County shall, as a condition of award, have a written Affirmative Action Plan and Procurement Policy on file with the County's Department of Business Development. Said firms must also submit, as a part of their proposals/bids to be filed with the Clerk of the Board, an appropriately completed and signed Affirmative Action Plan/Procurement Policy Affidavit. Firms whose Boards of Directors are representative of the population make-up of the nation are exempt from this requirement and must submit, in writing, a detailed listing of their Boards of Directors, showing the race or ethnicity of each board member, to the County's Department of Business Development. Firms claiming exemption must submit, as a part of their proposals/bids to be filed with the Clerk of the Board, an appropriately completed and signed Exemption Affidavit in accordance with Ordinance 98-30. These submittals shall be subject to periodic reviews to assure that the entities do not discriminate in their employment and procurement practices against minorities and women owned businesses.

It will be the responsibility of each firm to provide verification of their gross annual revenues to determine the requirement for compliance with the Ordinance. Those firms that do not exceed \$5 million annual gross revenues must clearly state so in their bid proposal.

Any bidder/respondent which does not provide an affirmative action plan and procurement policy may not be recommended by the County Manager for award by the Board of County Commissioners. (See Appendix -Section 1)

C. Conditions of Material and Packaging

- (1) Unless otherwise specified in the Special Conditions or Technical Specifications, all containers shall be suitable for shipment and/or storage and comply with the County's Recycled Packaging Resolution No. 738-92. (See Appendix. Section 1)

- (3) All goods furnished shall be fully guaranteed by the successful bidder against factory defects and workmanship. The successful bidder at no expense to the County shall correct any defects, which may occur within the period of the manufacturer's standard, and/or any implied warranty. The Special Conditions may supersede the standard manufacturer's warranty.

D. Subcontracting

- (1) Unless otherwise specified in this bid solicitation, the successful bidder shall not subcontract any portion of the work without the prior written consent of the County. The ability to subcontract may be further limited by the Special Conditions. Subcontracting without the prior consent of the County may result in termination of this bid solicitation for default.
- (2) Quarterly reporting when a subcontractor is utilized: The successful bidder is advised that when a subcontractor is utilized to fulfill the terms and conditions of this bid solicitation, County Resolution No. 1634-93 will apply to this bid solicitation. This resolution requires the successful bidder to file quarterly reports as to the amount of contract monies received from the County and the amount that have been paid by the successful bidder directly to certified Black, Hispanic and Women-Owned businesses, performing part of this bid solicitation work. Additionally the listed businesses are required to sign reports, verifying their participation in this bid solicitation work and their receipt of such monies. The requirements of this resolution shall be in addition to any other reporting requirements by Federal, State or local laws, ordinances or administrative orders.
- (3) Where subcontracting is permitted, the successful bidder shall obtain 'Written consent of the County prior to utilizing the subcontractor. All actions of any subcontractor are the sole responsibility of the successful bidder.

Note: This requirement is separate and independent from any requirements that may be contained in the Special Conditions, Paragraph 2.2.

- (4) In accordance with Ordinance No. 97-104, all bidders and respondents on County contracts for purchase of supplies, materials or services, including professional services, which involve the expenditure of \$100,000 or more and all bidders or respondents on County or Public Health Trust construction contracts which involve the expenditure of \$100,000 or more shall include, as part of their bid or proposal submission, a listing which identifies all first tier subcontractors who will perform any part of the contract work and describes the portion of the work such subcontractor will perform, and all suppliers who will supply materials for the contract work direct to the bidder or respondent and 'describes the materials to be supplied. Failure to include such listing with the bid or proposal shall render the bid or proposal non-responsive. Ordinance No. 97-104, applies to all contracts whether competitively by the County or not. Those contracts that have received authorization by the Board of County Commissioners to waive formal binding procedure must also provide a listing of all first tier subcontractors and direct suppliers. "Subcontractor/Supplier Listing, SUB Form 100' may be utilized to provide the information required by this paragraph. A bidder or respondent who is awarded the contract shall not change or

substitute first tier subcontractors or direct suppliers or the portions of the contract work to be performed or materials to be supplied from those identified in the listing submitted with the bid or proposal except upon written approval of the County. (See **Appendix -Section 1**)

NOTE: ORDINANCE NO. 97-104 REQUIRES A BID OR PROPOSAL FOR A COUNTY OR PUBLIC HEALTH TRUST CONTRACT INVOLVING THE EXPENDITURE OF \$100,000 OR MORE INCLUDE A LISTING OF SUBCONTRACTORS AND SUPPLIERS WHO WILL BE USED ON THE CONTRACT, AND PROVIDES FAILURE TO INCLUDE THE REQUIRED LISTING SHALL RENDER THE BID OR PROPOSAL NON-RESPONSIVE. THE REQUIRED LISTING MUST BE SUBMITTED AND SIGNED EVEN THOUGH THE BIDDER OR PROPOSER WILL NOT UTILIZE SUBCONTRACTORS OR SUPPLIERS ON THE CONTRACT. IN THE LATTER CASE, THE LISTING MUST EXPRESSLY STATE NO SUBCONTRACTORS, OR SUPPLIERS, AS THE CASE MAYBE, WILL BE USED ON THE CONTRACT. TIMELY SUBMISSION OF A PROPERLY COMPLETED AND SIGNED "SUBCONTRACTOR/SUPPLIER LISTING, SUB FORM 100" (A COPY OF WHICH IS INCLUDED IN THE BID PACKAGE) CONSTITUTE COMPLIANCE WITH THE LISTING REQUIREMENTS OF THE ORDINANCE. IN ORDER TO BE DEEMED PROPERLY COMPLETED, THE WORD "NONE" MUST BE ENTERED UNDER THE APPROPRIATE BEADING OF SUB FORM 100 IF NO SUBCONTRACTORS OR SUPPLIERS WILL BE USED ON THE CONTRACT.

- (5) In accordance with County Ordinance No. 97-35 (Fair Subcontracting Policies); "all successful bidders/respondents on County contracts in which subcontractors may be used, shall be subject to and comply with Ordinance 97-35 as amended, requiring bidders/respondents to provide a detailed statement of their policies and procedures for awarding subcontracts which:
- a) Notifies the broadest number of local subcontractors of the opportunity to be awarded a subcontract;
 - b) Invites local subcontractors to submit bids in a practical, expedient way;
 - c) Provides local subcontractors' access to information necessary to prepare and formulate a subcontracting bid;
 - d) Allows local subcontractors to meet with appropriate personnel of -the bidder to discuss the bidder's requirements; and

- e) Awards subcontracts based on full and complete consideration of all submitted proposals and in accordance with the bidder's stated objectives. All bidders/respondents seeking to contract with the County shall, as a condition of award, provide a statement of their subcontracting policies and procedures. Bidders/Respondents who fail to provide a statement of their policies and procedures may not be recommended by the County Manager for award by the Board of County Commissioners." (See Appendix -Section 1)

E. Assignment

The successful bidder shall not assign, transfer, or otherwise dispose of this contract, including any rights, title or interest therein, or their power to execute such contract to any person, company, or corporation without the prior written consent of the County.

F. Delivery

Unless otherwise specified in this bid solicitation, prices quoted shall be F.O.B. Destination with freight included in the proposed price.

G. Employee is the Responsibility of the Successful Bidder

The employee of the successful bidder shall be considered to be, at all times, employee of the successful bidder under its sole direction and not an employee or agent of the County. The successful bidder shall supply a competent and physically capable employee. The County may require the successful bidder to remove an employee it deems unacceptable. Each employee shall wear proper identification.

H. Indemnification of County by the Successful Bidder

The successful bidder shall indemnify and hold harmless the County and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorney's fees and costs of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of the Agreement by the successful bidder or its employees, agents, servants, partners, principals or subcontractors. The successful bidder shall investigate and defend all claims, suits or actions of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. The successful bidder expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by the successful bidder shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County or its officers, employees, agents and instrumentalities as herein provided.

I. Protection of Property

All existing structures, utilities, services, roads, trees, shrubbery, etc. shall be protected against damage or interrupted services at all times by the successful bidder during the term of this contract. The successful bidder shall be held responsible for repairing or replacing property, to the satisfaction of the County, which is damaged by reason of the successful bidder's operation on County property.

J. Collusion

Bids from related parties. Where two (2) or more related parties each submit a bid or proposal for any contract, such bids or proposals shall be presumed to be collusive. The foregoing presumption may be rebutted by presentation of evidence as to the extent of ownership, control and management of such related parties in the preparation and submittal of such bids or proposals. Related parties mean bidders or proposers or the principals thereof which have a direct or indirect ownership interest in another bidder or proposer for the same contract or in which a parent company or the principals thereof of one (1) bidder or proposer have a direct or indirect ownership interest in another bidder or proposer for the same contract.

Bidders or Proposers who have been found to have engaged in collusion may be considered non-responsible, and may be suspended or debarred, and any contract resulting from collusive bidding may be terminated or default.

1.9 MODIFICATION OF THE CONTRACT

The contract may be modified by unilateral action of the County or by mutual consent, in writing, and through the issuance of a modification to the contract, purchase order, change order or award sheet, as appropriate.

1.10 TERMINATION OF THE CONTRACT**A. Termination for Convenience**

The County, at its sole discretion, may terminate this contract without cause by providing the successful bidder with thirty (30) day advance notice. Upon the receipt of such notice, the successful bidder shall not incur any additional costs under this contract. The County shall be liable only for reasonable costs incurred by the successful bidder, as determined by the County, regardless of the method of payment required by this contract. The County shall be the sole judge of "reasonable costs".

B. Termination for Default

The County may terminate this contract upon the failure of the successful bidder to comply with any provision and/or requirements of this contract. The County's decision not to take action upon failure of the successful bidder to perform shall not be construed as a waiver of the ability of the County to take additional action at a later date and time. The County shall also have the ability to place the successful bidder on the probation and/or terminate any portion of this contract. The date of termination shall be stated in a written notice to the successful bidder. In the event the successful bidder is terminated for default, the County reserves the right to re-procure the goods and/or services from the next lowest responsive responsible bidder or re-solicit the goods and/or services. The County may further charge the successful bidder any differences in cost between the successful bidder's price and the re-awarded price and/or any costs associated with re-awarding or re-soliciting this contract. The County may also debar or suspend the successful bidder from conducting business with the County and/or eliminate the defaulted contractor from consideration in future bid solicitation, in accordance with appropriate County ordinances, resolutions and/or eliminate the defaulted contractor from consideration in future bid solicitation, in accordance with appropriate County ordinances, resolutions and/or administrative orders.

C. Ordinance 93-137

Any individual or corporation or other entity that attempts to meet its contractual obligations with the County through fraud, misrepresentation, or material misstatement, the County shall whenever practicable, terminate the contract. The County as a further sanction may terminate or cancel any other contracts which such individual or other entity. Such individual or entity shall be responsible for all direct or indirect costs associated with such termination or cancellation, including attorney's fees. Notwithstanding, any individual or entity who attempts to meet its contractual obligations with the County through fraud, misrepresentation, or material misstatement may be disbarred from County contracting for up to five (5) years.

1.11 ORDINANCES, RESOLUTIONS AND/OR ADMINISTRATIVE ORDERS

To request a copy of any ordinance, resolution and/or administrative order cited in this bid solicitation, the bidder must contact the **Clerk of Board at 305-375-5126.**

SECTION 2.0 SPECIAL CONDITIONS**2.1 PURPOSE: PURCHASE ITEMS THROUGH A MULTI-STEP BID PROCESS**

The purpose of this Invitation to Bid is to purchase Maintenance of the Satellite Transit Shuttle at the Miami-Dade County Airport through a single solicitation. All bidders will be required to submit their bid proposals in two separate sealed envelopes; one envelope for their Technical Proposal and the second envelope for their Price Proposal. After the scheduled bid opening the Technical Proposal shall be opened and evaluated. All bidders whose Technical Proposals are rejected shall be duly notified and their unopened price proposals shall be returned. Once all Technical Proposals have been evaluated, the Price Proposals from those bidders whose Technical Proposals have been accepted shall be opened. The bidder with the lowest price shall be awarded the contract.

2.2 INTENTIONALLY OMITTED**2.3 PRE-BID WALK-THRU TOUR (Mandatory):**

A pre-bid walk-thru tour will be held on Thursday May 3, 2001 at the Stephen P. Clark Center in room 18-1 at 9:00 a.m.

It is mandatory that a representative of the firm attend in order to qualify to bid on this contract.

The bidder's proposal shall be non-responsive and cannot be considered if the bidder's Representative fails to attend this mandatory pre-bid walk-thru tour within fifteen (15) minutes of the scheduled starting time.

IMPORTANT NOTE: If a mandatory conference is also being held in conjunction with this walk-thru tour, it will be necessary to attend both in order to qualify to bid on this proposal.

"Multiple members of individual community councils may be present."

2.4 TERM OF CONTRACT: TWELVE (12) MONTHS

This contract shall commence on the first calendar day of the month succeeding approval of the contract by the Board of County Commissioners, or designee, unless otherwise stipulated in the Notice of Award Letter which is distributed by the County's Department of Procurement Management, Bids & Contracts Division; and contingent upon the completion and submittal of all required bid documents. The contract shall remain in effect for twelve (12) months and upon completion of the expressed and/or implied warranty period.

2.5 OPTION TO RENEW FOR FOUR (4) ADDITIONAL YEAR(S) (With Price Adjustment)

The prices for a one (1) year period from effective date shall be consistent with the provisions outlined in section 2.7 of these terms and conditions; at which time Dade County shall have the option to renew for an additional four (4) years on a year to year basis. At that time Dade County will consider adjustment to price based on the Consumer Price Index, Miami-Ft. Lauderdale, Wage Earners, All Items. It shall be further understood that the County reserves the right to reject any price adjustments submitted by the bidder and/or to terminate the contract with bidder based on such price adjustments. Continuation of the contract beyond the initial period is a County prerogative; not a right of the bidder. This prerogative may be exercised only when such continuation is clearly in the best interest of the County.

In the event that the bidder declines the County's right to exercise the option period, the County will consider the successful bidder in default and affect its eligibility for future contracts.

NOTE: SHOULD THE COUNTY EXERCISE THE OPTION TO RENEW, IT SHALL BE ONLY FOR THOSE ITEMS ORIGINALLY AWARDED.

2.6 METHOD OF AWARD – MULTI-STEP BIDDING

Award of this contract will be made to the lowest responsive, responsible bidder whose bid offers the lowest price when all items are added in the aggregate. The County will award the total contract to a single bidder. The only bid prices that will be considered for award under the second step of the bid process will be from bidders whose bid proposals were technically in the compliance during the first step of the bid process.

ENVELOPE 1 (RED DDOT) SHALL CONTAIN WRITTEN RESPONSES TO THE FOLLOWING REQUIREMENTS, AND SHALL BE OPENED ON May 23, 2001.

- (1) Demonstrate a minimum of five (5) years direct experience maintaining Automated People Mover (APM) Systems. List equipment maintained and experience of personnel to be assigned to this project.
- (2) Demonstrate proficiency with relay, programmable, and analog logic controls maintenance. This may be described by giving names of individuals to be assigned and their background.
- (3) Provide references from three (3) airlines or airport authorities pertaining to Automated People Mover Systems.

ENVELOPE II (BLUE DOT) SHALL CONTAIN THE COMPLETED BID ROPOSAL FORM, AND SHALL BE OPENED AFTER VERIFICATION OF COMPLIANCE WITH THE FIRST STEP OF THE BID PROCESS. (Bidders shall be notified in writing as to the date of this opening.)

2.7 PRICES SHALL BE ESTABLISHED IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS:

If the Bidder is awarded a contract under this bid solicitation, the prices offered by the Bidder shall be accepted in accordance with the provisions established in Section 3.0 of this solicitation entitled "Technical Specifications."

2.8 INTENTIONALLY OMITTED

2.9 INTENTIONALLY OMITTED

2.10 INTENTIONALLY OMITTED

2.11 INDEMNIFICATION AND INSURANCE – (15) – MAINTENANCE AND REPAIR SERVICES AT AVIATION

Provider shall indemnify and hold harmless the County and its officer, employees, agents and instrumentalities from any and all liability, losses or damages, including attorney's fees and costs of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of this Agreement by the Provider or its employees, agents, servants, partners principals or subcontractors. Provider shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. Provider expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by Provider shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County or its officers, employees, agents and instrumentalities as herein provided.

The vendor shall furnish to Bid Section, Metropolitan Dade County, c/o Procurement Management Division, 111 N.W. 1st Street, Suite 2350, Miami, Florida 33128-1989, Certificate(s) of Insurance which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

- A. Worker's Compensation Insurance for all employees of the vendor as required by Florida Statute 440.

- B. Public Liability Insurance on a Comprehensive basis in a amount not less than the Bidder may be prohibited from submitting future Proposal to the County in accordance with Section 1.0, para. 1.6 of the General Terms and Conditions.

The Bidder shall be responsible for assuring that the insurance certificates required in conjunction with this Section remain in force for the duration of the contractual period; including any and all option years that may be granted to the Bidder in accordance with Section 2.5 of the Special Conditions. If insurance certificates are scheduled to expire during the contractual period, the Bidder shall be responsible for submitting new or renewed insurance certificates to the County at a minimum of thirty (30) calendar days in advance of such expiration. In the event that expired certificates are not replaced with new or renewed certificates which cover the contractual period, the County shall suspend the contract until such time as the new or renewed certificates are received by the County in the manner prescribed in the Invitation To Bid; provided, however, that this suspended period does not exceed thirty (30) calendar days. If such suspension exceeds thirty (30) calendar days, the County may, at its sole discretion, terminate this contract for cause and seek re-procurement charges from the Bidder in conjunction with Section 1.10 of the General Terms and Conditions.

2.12 INTENTIONALLY OMITTED

2.13 INTENTIONALLY OMITTED

2.14 INTENTIONALLY OMITTED

2.15 METHOD OF PAYMENT: MONTHLY INVOICES AND ITEMIZED INVOICES FOR COST REIMBURSABLE ITEMS

The successful bidder shall invoice the County monthly both for basic maintenance at the amount stated in the contract and for its actual out of pocket cost items as listed in Section 3.0. Each cost reimbursable item shall be documented by a corresponding invoice marked "approval for payment" by the successful bidder.

2.16 INTENTIONALLY OMITTED

2.17 INTENTIONALLY OMITTED

2.18 INTENTIONALLY OMITTED

2.19 WARRANTY SHOULD BE SUPPLIED IN WRITTEN FORM**A. Type of Warranty Coverage Required**

The bidder should supply a copy of its written warranty certificates with its bid proposal; however, the bidder may be given the opportunity to submit these certificates to the County during the bid evaluation period. Failure to meet this requirement may result in your bid being declared non-responsive. The warranty supplied by the bidder shall remain in force for the full period identified by the bidder; regardless of whether the bidder; regardless of whether the bidder is under contract with the County at the time of defect. Any payment by the County on behalf of the goods or services received from the bidder does not constitute a waiver of these warranty provisions.

B. Correcting Defects Covered Under Warranty

The bidder shall be responsible for promptly correcting any deficiency, at no cost to the County, within fifteen (15) calendar days after the County notifies the bidder of such deficiency in writing. If the bidder fails to honor the warranty and/or fails to correct or replace the defective work or items within the period specified, the County may, at its discretion, notify the bidder, in writing, that the bidder may be debarred as a County bidder and/or subject to contractual default if the corrections or replacements are not completed to the satisfaction of the County within fifteen (15) calendar days of receipt of the notice. If the bidder fails to satisfy the warranty within the period specified in the notice, the County may (a) place the bidder in default of its contract, and/or (b) procure the products or services from another vendor and charge the bidder for any additional costs that are incurred by the County for this work or items; either through a credit memorandum or through invoicing.

2.20 CONTACT PERSONS:

For any additional information regarding the specifications and requirements of this contract, Contact: Virginia Howard, CPPB at" (305) 375-1077.

2.21 Intentionally Omitted

2.22 ACCIDENT PREVENTION AND BARRICADES:

Precautions shall be exercised at all times for the protection of persons and property. All Contractors and Sub-Contractors shall conform to all OSHA, State and County regulations while performing under the Terms and Conditions of this contract. Any fines levied by the above mentioned authorities because of inadequacies to comply with these requirements shall be borne solely by the bidder responsible for same. Barricades shall be provided by the bidder when work is performed in areas traversed by persons, or when deemed necessary by the County Project Manager.

2.23 CLEAN-UP

The successful bidder shall keep the STS maintenance area neat and clean, Surplus and scrap material shall be removed at least weekly, and combustible scrap material shall be removed daily to an area near the E-Satellite Building designated by the Aviation Department.

2.24 COMPLIANCE WITH FEDERAL STANDARDS

All items to be purchased under this bid shall be in accordance with all governmental standards, to include, but not limited to, those issued by the Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety Hazards (NIOSH), and the National Fire Protection Association (NFPA).

2.25 DEFICIENCIES IN WORK TO BE CORRECTED BY THE BIDDER

The successful Bidder shall promptly correct all deficiencies and/or defects in work and/or any work that fails to conform to the Contract Documents; whether or not fabricated, installed or completed. All corrections shall be made within fifteen (15) calendar days after such rejected defects, deficiencies, and/or non-conformances are verbally reported to the Bidder by the County's Project Administrator. The Bidder shall bear all costs of correcting such rejected work. If the Bidder fails to correct the work within the period specified, the County may, at its discretion, notify the Bidder, in writing, that the Bidder is subject to contractual default provisions if the corrections are not completed to the satisfaction of the County within fifteen (15) calendar days of receipt of the notice. If the Bidder fails to correct the work within the period specified in the notice, the County shall place the Bidder on default, obtain the services of another vendor to correct the deficiencies, and charge the Bidder for these costs; either through a deduction from the final payment owed to the Bidder or through invoicing.

2.26 ESCORT AT AIRCRAFT OPERATING AREA

When performing work at the County's Aviation Department, the successful bidder shall report to the Aviation Department's Airside Operation and be escorted to and from each area of work that traverses the aircraft operating area. The Department shall monitor the placement of the successful bidder's equipment at each location. Upon completion of the work, the bidder shall call the Airside Operation's office at (305) 876-7440 to arrange for inspection and escort out of the aircraft operating area. Any violations of this section by the bidder shall result in immediate cancellation of this Contract.

2.27 LABOR, MATERIALS, AND EQUIPMENT SHALL BE SUPPLIED BY THE BIDDER

Unless otherwise provided in Section 3 of this Solicitation entitled "Technical Specifications", the Bidder shall furnish all labor, material and equipment necessary for satisfactory contract performance; When not specifically identified in the technical specifications, such materials and equipment shall be of a suitable type and grade for the purpose: All material, workmanship, and equipment shall be subject to the inspection and approval of the County's Project Manager.

2.28 LICENSES, PERMITS AND FEES

The bidder shall obtain and pay for all licenses, permits and inspection fees required for this project; and shall comply with all laws, ordinances, regulations and building code requirements applicable to the work contemplated herein. Damages, penalties and or fines imposed on the County or the bidder for failure to obtain required licenses, permits or fines shall be borne by the bidder.

2.29 LIVING WAGE

In accordance with Ordinance 99-44 and as outlined in section 1.0 paragraph 13L of this bid, Living Wage applies to this bid. Bidder agrees to pay all of its employees providing Covered Services under this contract, a Living Wage not less than \$8.56 per hour Health Insurance or \$9.81 per hour without Health Insurance.

2.30 LOCAL OFFICE SHALL BE AVAILABLE

The Bidder shall maintain an office within the geographic boundaries of Dade or Broward Counties, Florida. This office shall be staffed by a competent company representative who can be contacted during normal working hours and who is authorized to discuss matters pertaining to the contract.

2.31 SUB-CONTRACTORS OF WORK SHALL BE IDENTIFIED

IMPORTANT NOTE: THIS REQUIREMENT IS SEPARATE AND INDEPENDENT' FROM BBE REQUIREMENTS AS MAYBE STATED IN PARAGRAPH 2.2

As part of its Bid Proposal, the Bidder is required to identify any and all Subcontractors that will be used in the performance of the proposed contract, their capabilities and experience, and the portion of the work to be done by the subcontractor. The competency of the Subcontractor(s) with respect to experience, skill, responsibility and business standing shall be considered by the County when making the award' in the best interest of the County. If the bidder fails to identify any and all sub-contractors in the Bid Proposal, the bidder may be allowed to submit this documentation to the County during the bid evaluation period if such action is in the best interest of the County.

2.32 SUPERINTENDENT SHALL BE SUPPLIED BY THE BIDDER

The successful Bidder shall employ a competent superintendent who shall be in attendance at the project site during the progress of the work. The superintendent shall be the primary representative for the Bidder and all communications given to and all decisions made by the superintendent shall be binding to the Bidder. Notwithstanding, the superintendent shall be considered to be, at all times, an employee of the Bidder under its sole direction and not an employee or agent of Dade County.

The County may order the successful bidder to dismiss any person or persons employed-by the in, about, or upon the work who shall misconduct himself or be incompetent or negligent in the proper performance of his or their duties, or who shall neglect or refuse to comply with the directions given, and such person or persons shall not be employed again thereon without written consent of the County, Should the successful bidder continue to employ or again employ such person or persons, on the work under this contract the County may suspend the work until such orders are complied with.

2.33 IDENTIFICATION-PERSONNEL

All employees of the successful bidder or subcontractors requiring access within the SIDA area or on the airport apron are required to obtain identification badges which are to be worn at all times while within the area. Badges are to be approximately wallet size and are to be worn on outer garments so as to be clearly visible. Badges are to be applied for through the Airport Security Division and issued individually to employees with a permanent record maintained of the individual to whom each one was issued. Responsibility for supply, issuance and control of identification badges shall be that of the successful bidder.

2.34 CUSTOMS CLEARANCE

Due to the fact that the STS-traverses both sterile and free passenger areas, full maintenance access to the entire STS requires personnel to go from one type area to the other. The successful bidder shall arrange for all necessary customs clearance and S1'8 maintenance personnel bonding. Such arrangements shall be made directly with the U.S. Department of Treasury, U.S. Customs Service and the U.S. Department of Justice, Immigration and Naturalization Service.

2.35 IDENTIFICATION-VEHICLES

A "Contractor Ramp Permit" must be obtained by the successful bidder authorizing entrance to the Terminal Airside Area through the MDAD security gates for the term of the project.

Vehicles delivering materials to the job are to pick up temporary passes at the guard gates and to surrender same upon leaving the airside area.

All vehicles shall be designated in a manner to insure positive identification of each unit at all times, while in the Terminal security area.

2.36 APPROVAL AND ACCEPTANCE OF MATERIALS

Only materials conforming to the requirements of the original equipment manufacturer (OEM) drawings for the system or of approved supplemental drawings shall be used in the work. Any material that has for any reason become unfit for use shall not be incorporated into the work.

2.37 ACCESS

The routes and procedures for use by the successful bidder for access to the site will be established by the Miami-Dade Aviation Department, and the successful bidder and its suppliers shall adhere strictly to the limitations imposed.

2.38 COORDINATION OF WORK

The Successful bidder shall fully cooperate and coordinate his work where it interfaces with work of others. Consideration must first be given to system operation.

2.39 EMPLOYEE FOOD SERVICE

The successful bidder and his subcontractors shall not be allowed to bring onto the work area any food or beverage catering trucks, vending machines, or other serving facilities.

2.40 EMPLOYEES'S PARKING

Parking for contractor's employees will be as directed by the Miami-Dade County Aviation Department and may be remote from the work site. It shall be the responsibility of the contractor to transport all personnel between the work site and the designated parking area(s).

2.41 ROYALTIES

The successful bidder shall pay all fees or royalties for any patented articles, operations or techniques incorporated in or used in the work as outlined herein.

2.42 FEDERAL DRUG-FREE WORKPLACE ACT

The successful bidder acknowledges that pursuant to the Federal Drug-Free Workplace Act of 1989, the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance shall be prohibited for any of its employees, agents or assigns involved in the services of this contract and on Airport premises. Contractor agrees that any violation of this prohibition by the contractor, its employees, agents or assigns shall be deemed a material breach of the contract.

2.43 TECHNICAL DOCUMENTATION

This contract is for maintenance of an existing system, and the documents defining the equipment configuration which the contractor is to maintain are those provided by the OEM to document the system as built.

The successful bidder shall carefully maintain and update the drawing collections, maintenance procedures, "and inventory list which are in the STS shop in the forms of aperture cards, binders, books, "and electronic media and shall obtain replacement copies of any of the foregoing which are becoming worn out or missing.

The successful bidder shall maintain the STS in accordance with the OEM and component supplier drawings and manuals documenting the present configuration of the system, modified, if appropriate, by further approved drawings. The successful bidder shall not apply parts or materials or make changes which would cause the STS to deviate from the existing and any additional approved drawings and manuals.

2.44 HAZARDOUS MATERIALS AND SUBSTANCES

The successful bidder shall comply. with any rules, regulation, statute or order of the Environmental Protection Agency (EPA). The contractor covenants and agrees:

1. Provide a Material Safety Data Sheet (MSDS) for each hazardous chemical or material or toxic substance used in the performance of the work, or stored on the Airport by the contractor, as required by applicable laws.
2. That its operations shall at all times remain in compliance with all orders and regulations promulgated by the Occupational, Safety and Health Administration and by the Environmental Protection Agency, and all other federal, state and local laws, statutes, regulations and orders governing safety, the environmental and hazardous and toxic substances;
3. That it shall:
 - a. Secure at its own expense, all required permits, licenses and authorizations necessary for such compliance.
 - b. Advise County's Representative of any notice of potential or actual noncompliance
 - c. Immediately upon receipt, provide the County's Representative with copies of any notice or notices relating to non-compliance.
 - d. Allow County's designated representatives the unrestricted right to inspect and review its on-premises operation and equipment to confirm "that both remain in compliance. Unless necessary in an emergency situation, County's representatives shall not purposefully interfere with or inhibit the Contractor's operation.

2.45 CHANGES BY THE COUNTY

The County without invalidating the contract may in writing order Extra Work or make "the changes by altering, adding to or reducing the work and the contract price. Time for completion of the work and other affected terms and conditions are to be adjusted accordingly. All such work shall be executed in accordance with the applicable terms and conditions of the contract as adjusted as a result of the Extra Work or other changes. The adjustments in the contract price, schedule and other affected terms and conditions required by the change or Extra Work shall be resolved insofar as practical at the time of ordering such change or Extra Work.

Payment for any such change or Extra Work will be made as provided herein. Contractor shall supply price quotations for the proposed change or Extra Work no later than thirty (30) calendar days from the date of receipt of notification. Contractor's price quotation shall include all costs for such change or Extra Work, including where appropriate the Costs of impact, disruption and delay. The parties shall agree in writing upon price and payment schedule for the Extra Work or change before said Extra Work or change is commenced.

2.46 CONTRACTOR TO BE UNDERSTOOD

Whenever the contract documents state that a task is to be done or that some provision is to be made but does not state who is to provide it, it is to be understood that "it is the contractor who shall make the said provision. All costs of the said provisions shall be included in the Contractor's quotation of price. The Contractor is not to provide items concerning that which the contract documents state that they will be provided by the "County or by "others".

SECTION 3.0 TECHNICAL SPECIFICATIONS**3.1 SCOPE**

The successful bidder shall provide all necessary supervision, labor and parts to operate and maintain the STS Systems at Concourse E at Miami International Airport in a condition acceptable to the Aviation Department.

The successful bidder shall support all systems on a 24 hour, seven days a week basis. Preventive and corrective maintenance must be provided, and spare parts inventories must be maintained as specified herein.

The successful bidder shall submit his/her proposal for supervision, labor, and parts as a separate bid item, which shall include all fringes, insurance, overhead and profit. (Bid Item 1).

The maintenance to be provided shall cover all of the equipment and procedures listed in these specifications, shall be provided on a seven day-a-week, twenty-four hour-a-day basis, and shall include keeping of at least two fully qualified maintenance employees at the Airport Terminal on a seven days-a-week, twenty four hours-a-day basis. As used here, the term fully qualified shall mean ability, training, and formal qualification by the successful bidder to ascertain the cause of any malfunction and to undertake any immediate corrective action which may be appropriate, examples in Exhibit D.

However, the county will provide the following:

- 1) All labor required to operate the Central Control Console, who must be certified by the successful bidder, reference Exhibit D.
- 2) All labor and materials for daily and weekly cleaning of the cars and all janitorial and building maintenance for the lobbies and the Central Control Console and for any toilet and locker rooms provided for Contractor employees.
- 3) Repair, or reimbursement to the Contractor for repair, of damage due to vandalism and other causes excluded from normal use as defined in this section.
- 4) Utilities (e.g., electricity, water, sewage service) used in STS operation and maintenance.
- 5) Fuel for standby diesel alternator.
- 6) Reimbursement for subcontracted repairs listed as additional services in these Specifications.
- 7) All tools and test equipment required to maintain the STS as listed in exhibit B. Any additional tools and equipment found to be necessary shall be supplied as specified in this section.

The Contractor shall provide the labor and materials required for cleaning of the STS maintenance area, the STS tracks, the STS substation, the battery room, and the standby engine-generator room. However, the county will maintain all lights, plumbing, building wiring, etc. which were placed in such areas by others.

Six (6) months prior to the end of the Contract maintenance period or to termination thereof by the county, the county will notify the Contractor of its intention either to exercise its option to extend the Contract pursuant to these Specifications or to arrange for future maintenance in some other way. Should the county decide to take over the STS maintenance, the Contractor shall contribute to an orderly transition by making the full maintenance staff available for apprentice training or similar activity during the last six months of the Contractor's maintenance. All tools, fixtures, instruments, accessories, drawings, technical information, records, and manuals provided by the county at the start of or by the Contractor during the period of maintenance under this contract shall be left in good working order. The terms of employment of personnel employed by the Contractor to perform STS Maintenance shall not be such as to impede such personnel either from leaving the employ of the Contractor or from accepting employment by the county so long as such change in employment is for the purpose of continuing to have STS maintenance work done by personnel with experience in that work.

MAINTENANCE RESPONSIBILITIES:

The successful bidder shall maintain all of the equipment, tools, supplies, information, records, and repair procedures supplied by the OEM, per exhibit B, in normal operating condition for normal use. The definitions of the terms normal use and normal operating condition are as follows:

Normal Use: Normal use is all use normal for the service for which the equipment was intended. Normal use does not include loss, damage, or destruction caused directly by sandstorm, hail, riot, vandalism, civil commotion, aircraft, theft, damage due to wind-born or thrown objects striking vehicles or fixed equipment or becoming lodged on the guideway, collision or accident involving equipment owned or operated by the Owner, damage due to smoke, fire, or explosion nor caused by equipment or materials being maintained or used by the Contractor, and damage due to operation during wind with gusts in excess of 70 mph. Effects of lightning on electrical and electronic components are part of normal use, but normal use will not include damage to the vehicle body exterior due to a lightning stroke directly to a vehicle shell.

Normal Operating Condition: Normal operating condition is that condition which is normal for the equipment being maintained. Such condition shall include but not be limited to

1. Mechanical equipment within manufacturer specified tolerances for gears, cables, belts, chains, bearings, springs, and elastomeric elements.
2. Consumable elements (tires, motor brushes, brake linings, etc.) above manufacturer specified condemning limits.
3. Equipment lubricants, hydraulic fluid, refrigerants, battery fluid, etc., within manufacturer specified fill limits and of manufacturer specified type.
4. Well maintained electrical wire and cable dress, and connections, etc., and good electrical and mechanical condition of wire and cable insulation.
5. Mechanical operation of electrical parts and assemblies including fastenings, slides, catches, connectors, electrical components, antennas, etc. like that of the originally accepted equipment.
6. Well maintained appearance of all furnishings, equipment, and surfaces visible to the public.
7. The meeting of all current performance specifications per Exhibit F

The Contractor shall inspect the equipment and make such repairs and adjustments to and replacements of any modules or components as may be necessary to maintain the equipment in a normal operating condition provided that such repairs, adjustments, and replacements are necessitated by normal use of the equipment. For certain items, replacement or off-airport overhaul will be paid for by the Owner as addition services, per these Specifications.

Preventive maintenance shall be performed according to schedules provided by the OEM and maintained on a computerized Maintenance Management System on site. Access to this information shall be granted the customer upon request. The Contractor shall have its workmen perform preventive maintenance (PM) using copies of the approved PM schedules per Exhibit B, shall have them check off each task as done and sign and date the schedule when finished. The Contractor shall keep this information on the Maintenance Management System database at the STS shop for the current and prior three calendar years.

The County and its authorized representatives shall have full access to inspect all activities and on site records of the Contractor and will inspect the equipment and the Contractors work from time to time.

Operation of the system will be done in coordination with the County's Central Control Operation group and using the guidelines in Exhibit E, Standard Operating Procedures.

MANUALS, DRAWINGS AND PARTS INVENTORY:

The Contractor shall maintain the STS maintenance and repair procedures, drawings, and parts inventories for the cars, guideway, station doors, controls, and power subsystem as documented in the Exhibit B Any additions to or replacements for the Maintenance and Repair Procedures shall contain general information and specifics for the following:

- a) Check off schedules and procedures for periodic inspection and preventive maintenance of all components.
- b) Description of system operation and interactions between subsystems, functional block diagrams and complete circuit schematics. Circuit schematics shall be complete to the level of inputs, outputs, and test points of individual circuit boards.
- c) Detailed description of tests and test equipment and correct procedures for testing.
- d) Procedures for disassembly, maintenance, and reassembly of system components including clearances, tolerances, terminal numbers, referenced to schematics and drawings, with copies of those schematics and drawings.
- e) Description of expendable parts and recommended spares.
- f) General instructions pertaining to the need for care and quality of workmanship required for STS safety and availability and specific warnings against the making of any changes in STS circuitry and controls without written approval from the OEM using forms in Exhibit C.

The material in any revised or additional maintenance and repair procedures shall be organized, indexed, and cross referenced so that a skilled technician can localize and diagnose equipment malfunctions and repair them.

The Maintenance and Repair Manuals shall include schematics, drawings, literature and other information covering STS major subassemblies purchased from the OEM and other Vendors.

The Contractor shall maintain a complete OEM Parts Lists, identifying all parts which are separately available or which might reasonably be separated for maintenance purposes. The lists shall identify all parts showing the relative storeroom locations of related parts and via manufacturers' part number, quantity on hand and minimum quantity before reorder, as shown in Exhibit B.

A complete set of STS drawings, schematics, and wiring diagrams shall be maintained by the Contractor. These items shall be kept at the STS location and shall reflect the current status of the STS. As changes or modifications are proposed for the STS, the process outlined in Exhibit C must be followed. Prints shall be marked by the Contractor to accurately reflect such changes. Any such changes that are adopted shall require revision of all associated drawings and the replacement of the marked prints by revised drawings. All Maintenance and Operation Procedures shall be updated by the Contractor to reflect STS changes.

All new or replacement procedures shall be permanently stored on electronic media for reproduction as necessary for field use.

PERIODIC REPORTING AND RECORDING:

The Contractor shall keep in his Maintenance database at least, but not limited to, information recording all modifications and repairs to the system. This database shall be kept at the STS maintenance shop and shall be available to the Owner at any time.

The Contractor shall maintain the database on each STS vehicle. Car mileage, malfunctions, adjustment, modifications and repairs shall be recorded in this database. The Car History database shall be kept at the STS maintenance facility and shall be available to the Owner at any time.

The monthly operational results, including availability, mileage, duration of any downtime, explanation for such downtime and repair method shall be reported to the Owner each month, per Exhibit A.

TOOLS AND MAINTENANCE EQUIPMENT:

The Contractor shall maintain the existing STS maintenance tools and equipment and shall furnish any additional tools, equipment and instruments needed for maintaining the S1'8. These tools include electrical meters, instruments, wire terminating tools, and connector servicing tools, mechanical tools including normal mechanics hand tools, and jigs, jacks, stands, wheel chocks, and fixtures necessary to lift and support STS cars and subassemblies. Standard mechanics tools shall be Snap-On or approved equal. Electronic instruments shall be Tektronix, Hewlett-Packard, or approved equal.

The Contractor shall maintain or provide special test and diagnostic boxes if appropriate for tests made frequently in routine preventative maintenance or tune up.

INVENTORY RECORDS AND PARTS STORAGE:

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Records shall be kept in the STS shop area of the receipt and disbursement of all quantities of spare parts and supplies related to maintenance and repair of the S1'8. These records shall include purchase or procurement records, for all items received.

The Contractor shall cause all parts to be fully and correctly labeled and shall store them in a neat and systematic manner.

Racks, bins, and other furniture for store of tools, parts, and records shall be maintained and/or provided by the Contractor.

SPARE PARTS AND CONSUMABLES

At the termination of the maintenance period the Contractor shall leave in inventory in the STS shop one year's supply of spare parts, repair materials, and consumables. The quantity to Be supplied shall be the average of the use in the thirty six (36) months immediately preceding contract termination unless otherwise agreed to or modified by the Contractor and the Owner. Use shall be determined from reports generated from the Maintenance Management System database.

TESTS REQUIRED BY GOVERNMENT:

If the Owner notifies the Contractor that a governmental agency requires that some measurements or tests or calibrations be conducted relative to STS Communications or other equipment, then the Contractor shall perform all such measurements, etc., in the manner required, shall prepare reports stating the results in the required format, and shall submit the reports to the Owner. The Contractor shall submit copies to the cognizant governmental agencies if instructed by the Owner to do so. The Contractor shall inform the Owner of the scheduling of each such test or measurement at least two weeks in advance" of the time that it is to be carried out The Contractor shall keep separate accurate records of the direct labor and equipment costs incurred in each such test and shall submit a claim to the Owner for reimbursement of the costs as additional services.

RIGHT OF OWNER TO MAINTAIN:

If the Contractor fails to provide specified maintenance services in a prompt and successful manner, then the Owner may provide the Contractor with written notice of the deficiency in performance of the required maintenance, whereupon the Contractor shall be required to formulate a written plan for correction of the deficiencies and shall submit the same to the Owner within two weeks for approval. If the Owner finds that the steps proposed by the Contractor are not adequate to correct the deficiency, then the Owner shall provide the Contractor with a second written notice giving the reasons, and the Contractor shall submit a revised plan in written form within two weeks of receipt of this second notice.

MAINTENANCE AND OTHER COSTS TO BE PAID BY OWNER:

The Owner will reimburse the Contractor, as additional services, for the following categories Of work, if required.

- 1) Equipment changes necessitated by governmental regulations.

- 2) Repairs of damage due to vandalism and other causes outside of normal use.
- 3) Overhaul and or replacement cost as agreed to by both parties.

Whenever maintenance of these types" is required, the Contractor shall provide the Owner with written notice describing the work and giving careful estimates of the down time and costs which will be incurred in doing the work, The Contractor shall do the work promptly after it has been authorized by the Owner.

ITEMS TO BE MAINTAINED UNDER THIS CONTRACT:

People mover equipment, maintenance equipment, and information to be maintained under this contract include:

- 1) All of the currently supplied OEM supplied STS systems.
(With the exception of the poured concrete tracks which support the main tires of the vehicle.) and;
- 2) All approved additions, modifications, additional tools, and additional or modified documentation and information added to the above during the present maintenance of the STS.

Basic, but not necessarily a complete list, of items to be maintained are:

- 6 vehicles
- 6 x 4 x 2 o 48 automatic station doors
- dynamic signs in stations
- wayside and train control equipment
- central control mimic board, console, and controls for doors, trains, power, and communications
- track power switch gear, diesel alternator, and cabling
- Un interruptible power supplies for control and communication equipment
- track hardware including:
 - ground rails and mounting hardware
 - power rails and mounting hardware
 - guide beam and mounting hardware
 - train and door control antennae and mounting
 - end of track buffers
 - maintenance tools and equipment
- parts inventory
- drawings, parts lists, maintenance procedures, maintenance history information, inventory records
- office equipment

CONTRACTOR PROPERTY IN STS SHOP:

As a general principle, the Contractor shall use only Owner owned tools, instruments, equipment, and technical information and procedures for maintenance of the STS. The Contractor is to carefully maintain the tools, instruments, equipment, and technical information which are present in the STS shop as documented in Exhibit B. If the Contractor

finds that additional or modified tools, instruments, equipment, technical information, or procedures are needed for effective Owner maintenance or desirable for more economic maintenance, he shall report such findings to the Owner. Depending on the nature of the proposed additions or changes, the Owner may pay for such additions or changes may direct the Contractor to provide them as a part-of the Contractor's basic responsibility, (e.g., a case in which a tool is needed for a repair which is required for the first time) or may allow the Contractor to provide them at his own expense in order thereby to reduce his overall costs. However, in any case, the new or changed items shall become the property of the Owner if they have been or are intended to be used in maintenance on a recurring basis. (This requirement does not apply in the case of equipment which would normally be rented rather than purchased).

As an exception to this general rule, the Contractor may keep and use the following items in the PMS shop as his property:

- Personal computers, software and associated workstation equipment
- Video camera, digital camera and video conferencing equipment
- Video cassette recorder/player, and television set for viewing training tapes.

REPLACEMENT AND OVERHAUL COST TO BE PASSED THROUGH TO THE OWNER AS ADDITIONAL SERVICES

Original equipment or OEM approved parts are to be used to replace worn or failed parts. When any items in the following list, or others as mutually agreed to, require replacement or overhaul in a specialized shop away from the Airport, the Contractor shall advise the Owner of the need, invite the Owner to inspect the evidence of wear or failure, provide competitive price quotes for items over \$5,000.00 for rebuild or replacement, and retain qualified vendors. Following consent by the Owner the Contractor shall have the worn out or faulty item replaced ore rebuilt and shall invoice the Owner for the Contractor's net out-of-pocket cost plus 15% handling charge for the replacement or rebuilding including transport to and from the airport. Labor to diagnose problems, obtain quotes and arrange for rebuild or replacement shall be provided by the Contractor at no extra cost as a part of his regular work under the Contract. The tasks of identifying replacements for obsolete parts and the removal and replacement of worn or defective components that would require additional manpower would not be included. Example would be, but not limited to, heavy undercar work, such as differential or spring replacement.

Contractor shall make replacement or overhaul recommendations to the Owner based on their best professional judgment. Such recommendations shall have a reasonable basis and shall further include an analysis of potential results should the Owner elect not to complete the recommended action. Such a list shall be representative of potential results but shall not be considered exhaustive. These results may include director damages, liquidated damages due to lack of availability, and public liability (including personal injury or death). In the event that a recommended replacement or overhaul item is rejected by the Owner and subsequently a malfunction occurs which would not have occurred had the replacement or overhaul item been performed, then contractor shall not be held liable for any damages that may result from said rejection.

Items identified for overhaul or replacement include, but may not be limited to the items listed below. The lists will be periodical updated by mutual agreement between the Owner and the Contractor.

- Main Traction Motors
- Axle assemblies, including Spindles, Differential and Planetary Gears
- Air compressors
- Exterior Painting Of Whole Car (Including Touch-Up)
- Vehicle Floor and Seat covers
- Vehicle Interior Wall and Ceiling Panels
- Emergency Diesel Generator
- System wiring, including undercar wiring.
- A/C evaporators and condensers
- Buffers
- Flat tire detection system

AVAILABILITY AND PAYMENT ADJUSTMENT

It shall be understood and explicitly agreed to by the Contractor that determination of liquated damages shall be based on the fact that the operation of international passenger flights to and from the airport and the related operations of the airport will both be hindered if passengers cannot get from the Terminal to the Satellite and back and that providing this transportation other than via the STS will be extremely inconvenient, difficult, and disruptive and thus detrimental to the ability of the County to function as required.

Therefore the contractor agrees to provide a minimum availability of 99% of the scheduled operating hours (SH).

Downtime is defined as the system out of service hours (DH).

Availability (A) is defined as scheduled operating hours minus downtime hours divided by scheduled operating hours:

$$A = \frac{SH-DH}{SH}$$

Records shall be kept by the contractor and the County Central Operator of the cumulative number of minutes each train is out of service during each month. At the beginning of each month, a representative from both parties will meet to review and agree on the records of out-of-service for the previous month. At this time they will be filed as the official out of service record for the minimum of three years.

Throughout the term of this Agreement, the regular monthly invoice will be sent to the County in the first week of the each month. Further, at the end of the each three month (quarterly) period thereof, an adjustment to that months invoice will be made per the table below and submitted to the County. Failure to achieve the warranted contract availability will result in a penalty against the contractor.

The amount of the adjustment shall be based upon the total amount of the contractor's three monthly invoices for the quarter and shall be in accordance with the following schedule.

THREE MONTH AVERAGE	PAYMENT ADJUSTMENT
.9975 TO 1.00	+5% OF Total Basic Maintenance Fees
.9950 TO .9974	+3% OF Total Basic Maintenance Fees
.9900 TO .9949	+0% OF Total Basic Maintenance Fees
.9850 TO .9899	-2% OF Total Basic Maintenance Fees
.9825 TO .9849	-3% OF Total Basic Maintenance Fees
.9800 TO .9824	-5% OF Total Basic Maintenance Fees

- a) There is no special definition of the amount by which service is reduced when a subsystem such as air conditioning, lighting, public address, one door set, etc., fails to function properly. Whenever the Contractor (or any of his employees) becomes aware of a malfunction of this sort, it will be his duty to report it to the control console operator as soon as it is detected.
- b) The County shall have the right to require that a vehicle any of whose subsystems are malfunctioning so as to significantly degrade passenger comfort or safety be taken out of service until its subsystems are fully restored to normal operation. Whether or not the County chooses to use this right in any particular case shall be up to its own discretion. As a general rule, the County does not expect to allow any car to continue to be operated for more than one half hour with a malfunction uncorrected.
- c) No damage shall be assessed against the Contractor due to loss of power from the local electric utility company so long as the standby diesel generator set is used to restore operation within three (3) minutes following the power outage.
- d) The Contractor shall be permitted to have one train Out Of Service for maintenance each night from 2000 Hours thru 0600 Hours each morning from 0800 Hours thru 1000 Hours. No damage will be assessed for reduced service during the scheduled maintenance period so long as sterile and free passengers each continue to receive regular service on at least one track.
- e) If for some reason a repair is necessary that will require extended outage of one train, the contractor shall notify the County as soon as practical, in writing, as to the reason for the repair and the expected time required to complete the repair. If approved by the County, no out of service time will be assessed the contractor.
- f) Should the County require one train to be out of service during normal operating hours, no out of service time will be assessed the contractor. Should this outage exceed 24 hours, the contractor will be granted maintenance time as required.
- g) If the second train is out of service for any reason while the conditions in e) are in effect, no damage shall be assessed against the Contractor for loss of service due to

damage beyond the Contractor's control or from causes outside normal usage so long as the Contractor acts to resolve service with reasonable promptness.

3.2 PRE-MAINTENANCE INSPECTION AND REPAIRS

The bidder shall make a field survey of the automated STS Systems. If pre-maintenance are required to bring the systems immediately in first class condition, the bidder shall submit the cost of such pre-maintenance repairs as a separate bid item, and submit a separate itemized proposal with the bid. (Bid Item 2).

3.3 ADDITIONAL SERVICES

The Bid sheet specifies the maximum allowance account amount established for payment of additional services (Bid Item 3).

The successful bidder shall provide additional services when authorized by the Aviation Department. Such additional services may include repair of damage caused beyond the contractor's control, installation of new system options, and replacement of obsolete system components.

The successful bidder shall invoice the County, as additional services, the net out of pocket cost plus a 15% handling charge for additional labor, purchased material and subcontracted work as a separate Bid Item. For reimbursable items and optional system installations, the contractor shall submit minimum three bids for the Aviation Department's approval.

Exhibit A

STATUS AND PERFORMANCE REPORTS

- Weekly Report
- Monthly Report

Exhibit A

Subject: MIA WEEKLY STATUS REPORT

Date: MARCH 26, 2000
 To: BOB KEMMINK, MDAD
 From: R. VINTON, ADTRANZ

WEEKLY AVAILABILITY – WEEK ENDING: **MARCH 26, 2000**

WEEKLY SYSTEM AVAILABILITY ----- 100%

(10080 (-) Simultaneous train DT in min (/) 10080)

Weekly contractual passenger service hours/day/train -= 18 hours

NORTH TRAIN WEEKLY AVAILABILITY-----100%

((7560 –(Train DT – Grace))/7560)

Downtime events >3 mins -----0

Downtime minutes - -----0

SOUTH TRAIN WEEKLY AVAILABILITY -----100%

((7560 – (Train DT – Grace))/7560)

Downtime events >3 mins -----1

Downtime minutes - -----4

HUBOMETER READINGS (MILES)

<u>TRAIN</u>	<u>THIS WEEK</u>	<u>CUMULATIVE</u>
NORTH	903	952,556
SOUTH	960	974,595

FIELD CHANGE NOTICE AND FIELD ACTION REQUEST STATUS

FAR 147 – motor current open ---

SYSTEM INCIDENTS THIS PERIOD

SITE ACTIVITIES THIS WEEKS

System PM's

SITE ACTIVITIES PLANNED NEXT WEEK

System PM's

MIAMI AIRPORT SATELLITE TRANSIT SYSTEM PERFORMANCE REPORT**01 MAY THROUGH 30 MAY 2000**

<u>USAGE DATA</u>	<u>NORTH TRAIN</u>	<u>SOUTH TRAIN</u>	<u>SYSTEM</u>
Cumulative mileage last month	952556	974595	1927151
Cumulative mileage this month	957277	979187	1936464
Mileage this month	4721	4592	9313
_____ number of trips	18799	17828	36626

NUMBER OF PASSENGERS

Number of passengers this period			
MDAD Estimate	---	---	638463
Average number of passengers per			
Trip	---	---	17
Cumulative passengers....			
Aug. '82 to present	---	---	99748434

ENERGY DATA

Energy consumption in KWH.....	46700	46100	92800
Energy conservation in hours....	0	0	0

SYSTEM PERFORMANCE

Scheduled operating minutes this period.	33480	33480	44640
Single guideway incidents this period	1	0	-
Single guideway incidents accountable			
To Adtranz	1	0	-
Single guideway outage time in minutes	17	0	
Single guideway outage time accountable			
To Adtranz	14	0	
Double guideway incidents this period	-	-	0
Double guideway incidents accountable			
To Adtranz	-	-	0
Total double guideway outage time in			
Minutes	-	-	0
Double guideway outage time accountable			
To Adtranz	-	-	0

SYSTEM AVAILABILITY

System availability considering all incidents	99.949	100.000	100.00
System availability considering Adtranz incidents	99.958	100.00	100.00
Robert Vinton – Adtranz 6/16/00			

Exhibit B

INVENTORIES and SCHEDULES

- Selected Drawing Inventory
- Parts Inventory
- Tools Inventory
- Maintenance Schedules

Westinghouse Drawing Book

The basic drawing books issued by Westinghouse contains a set of the more important drawings. The drawings in this book are assigned to sections numbered 1 through 6 according to the original sizes of the drawings:

<u>Section</u>	<u>Size</u>
1	B
2	C
3	D
4	F
5	J
6	P

The following is a list of drawings maintained on site.

LIST OF DRAWINGS ON SITE**SECTION 1:**

Drawing No.	Description
****77B453	Armature Lifting Eye
****77B454	Armature Lifting Eye Assembly
***2535B12	Power Brake Control XCA-248-X Arc Box Assembly
***2537B58	XCD-248F Motor Control Box Manifold
***2537B58	Power Supply
2538B91G01	Program Stop Antenna

SECTION 2:

3794C58G01	Antenna Junction Box
3965C97	Antenna Case and bobbin Assembly
4683C43, 119 shts.	Vehicle Schematic Package
3970C42, sht.2 & 18	Power Center- Schematic
3972C56H01	Connector Panel
3972C80, 30 shts	Functional Block Diagrams
4675C14	Transformer Blower
4675C15	Brake Transformer
4675C16	Main Transformer
4675C25G02	Connector Plate Assembly
4675C25G01	information Antenna
4675C25G01	Precise Alignment Antenna
4676C03	Vehicle Terminal Block Mounting Bracket & Angle Details
4676C46H01	Junction Box
4677C16	Bearing Puller Tools
5824C79	VASSA
5824C78	VASSA General Assembly

SECTION 3:

107D454	Brake Resistors
6241D63G01	Junction Box
6248D37	No. 1 End Antenna Assembly
7076D02	Overshoot Detector Assembly
7311D49G01	Non-Vital Relay Basic Cabinet Assembly
7311D78H01	Cabinet
8362D18, 3 shts	Console Schematic
8362D21, 9 shts	Mimic Board Schematic
8362D60G02 3 shts	Cradle Assembly
8362D61G02 3 shts	Cradle Assembly
8362D61G02 4 shts	Cradle Assembly

b7

8362D61G02 4 shts	Cradle Assembly
8362D61G02 4 shts	Cradle Assembly
8362D65 19 shts	ATO To Termination Cabinet Schematic (FIS)
8362D66 19 shts	ATO To Termination Cabinet Schematic (Satellite)
8362D71, shts 1,2,3	Low Voltage Switch Gear Schematic
8362D72, 3 shts	Power Control Low Voltage
8362D73G01, 2 shts	Cant Grounding & Power Distribution
8362D74G01, 2 shts	Cant Grounding & Power Distribution
8362D75	Schematic Diagram
8372D76	Voice Communication System
	Motor Control Box
	Air Control Package

Drawing No.	Description
8368D60, 3shts	Brake Control Package
8368D72602 3shts	Central Control Console Assembly
8368D73G02	Mimic Display Board Cabinet Assembly
8368D53G01	Control Panel
8370D01	Transit Expressway Vehicle Component
8370D03	Air Conditioning Unit
8370D07	Control Room Layout (Terminal Bldg.)
8370D08	Control Room Layout (Satellite Bldg.)
8370D14G01	Vital/Non-Vital Cabinet #11
8370D15, sht 32	ATO to Relay Logic Schematic (FIS & Satellite)
8370D96H02, 2shts	ATO Cabinet #09
8370D17G01, sht 1	Termination Cabinet #08
8370D18G01	Vital/Non-Vital Cabinet #42
8370D23G01	Train Control Assembly
8370D24G01	Train Control Assembly
8370D29G01	Antenna Camp. Panel Assembly
8370D30G01, 2shts	Basic Relay Cabinet Vital/Non-Vital
8370D31G01, 4shts	Non-Vital Cabinet #10
8370D41	Air & Brake System Schematic
8370D85G01, 2shts	Basic Relay Cabinet Vital/Non-Vital
8370D88G01, 4shts	Non-Vital Cabinet #10
8837D18	Vehicle Communication Equipment Compartment Assembly
8837D72	Lobby Sensor Face Plate Details

SECTION 4:

598F640	Guide Wheel Assembly
1074F75	Brake Air Compressor
1117F45	Transit Shuttle System
1120F21	Vehicle Outline
1120F38, shts 1 & 2	Motor Control Box
1120F43, shts 1&2	Auxiliary Control Box – Breaker Panel Assembly
1120F44, GR2, GR3	Auxiliary Control Box – General Assembly
1120F52	Window Installation

Drawing No.	Description
1120F97	Tow Bar Installation
1129F08, 2 shts	Number 2 Bogey
1129F53, 2 shts	Number 1 Bogey
1121F67	Air Piping
1121F68	Collector & Antenna Mounting – A Car #1 Axle <u>Ref. Only</u>
1121F69	Collector & Antenna Mounting <u>Ref only</u>
1121F70	Antenna Mounting
1121F71	Collector & Antenna Mounting
1121F72, 2 shts	Number 2 End Equipment
1121F73G01	Collector Assembly <u>Ref Only</u>
Tree Assembly Howell Corp 9709005 Rev. A 2 shts	
IC4448	REV 1 Swivel Stem
IC4449	REV 1 Power Stem Insulator Block
IC4445 1	REV 1 Shoe Holder Assembly
IC 44452	REV 1 Shoe Holder (Machined Extrusion)
IC44453	REV 1 Power Knuckle Assembly
IC44454	REV 1 Power knuckle
1121F78, 5 shts	Roadway Electrical Installation
1121F79, 2 shts	Number 1 End Equipment
1121F81	Train Assembly 2 car train
1112F83G01	Mimic Display Board
1121F86, shts 1 & 2	Power Rail System <u>Ref. Only</u>
5D80084G01	30 Ft Rail With Cover p/n
SC1000VCB	
5D80085H01	Rail Over – Beige p/n SC1000JC
6972C93G01	Rail Joints
5D80047H01	Joint Covers p/n Sc1000JC
6972C98G02	Expansion Joints with Covers
6972C97G02	Power Feed Assembly with Covers
5D80046G01	Insulated Hanger Assembly p/n
SC1000HP	
5D80048G01	Insulated Hanger Clamp Ass'y p/n
SC10000HP	
5D80089G01	Shoe Holder Kit p/n SC9112A
53535BY00A	Joint Compound (alcoa)
5D80090G01	Drill Jig for “Z” braces p/n
DJ5	
1.122FB7	Program Stop Enclosure
1.122FBB 2 shts.	#1 End Car Equipment Assembly
1.501F20	Hanger Clamp 2 -Conductor Assembly
1.501F25G01	Console Audio Interface Chassis Assembly
1.501F27G01	Transmit/Receive Control Console Assembly

SECTION 5:

699J07B	Reverser
1020J38	Motor Filtered Commutator Cover
10020J46	Undercar Equipment
10020J56	Door Installation
1020J75	Car Wiring Diagram
1020J76	Car Wiring Diagram .
1021J03	Motor Control Box Wiring Diagram
1021J05	Auxiliary Control Box Wiring Diagram
1021J06	Auxiliary Control Box Wiring Diagram

SECTION 6

203P706G01, shts.4	PC Board Schematic Only
209P167G02, sht. 1	PC Board Schematic Only
209P204G01, sht. 1	PC Board Schematic Only
209P306G02, sht. 1	PC Board Schematic Only
209P431G02, sht. 2	PC Board Schematic Only ~
25P706G01, sht. 1	Overshoot Flag
26P172G02, sht. 2	Dwell Timer Assembly
109P119H99	Programmable controller Power Supply
1091'1 75H45	Receiver Array
4091'175H46	Light Beam Array
11041'41 5H83	Edge Array Bracket
409P262H22	Magic Edge System
409P262H23	Programmable Controller

MASTER INVENTORY LIST				
LOC.	PIN MAX	DESCRIPTION	QTY	MIN
IM60	K3	70001BU25G FILISTER HEAD SCREW .164(8/32)-32X .50LG	50	20 100
A2	1C40590H12	LOW PRESURE CUT OUT	5	4 5
	1C40590H13	HIGH PRESSURE CUT OUT	5	4 5
	1C40590H44	THERMOSTAT MC n067B1006	6	2 4
	1C40590H46	TRANSFORMER	3	1 2
	1C40590H47	TRANSFORMER	2	1 2
	404P491H11	TRANSFORMER	0	0 0
	404P591H07	CONTACTOR	0	0 0
	404P813H03	VALVE	8	2 3
	404P813H06	VALVE	4	0 0
	409P980H17	SIGHT GLASS AIR CONDITIONING UNITS	4	1 2
A3	404P724H08	MOUNTING BUSHING	25	12 40
	409P980H16	FILTER DRIE;R C-163 (3/8 LINE)	6	2 4
	409P980H18	THERMOSTAT EXPANSION VALVE	2	1 2
	409P980H24	SOLENOID VALVE .3750.0. SQUARE BODY	4	2 3
	4722A46H07	.375-16X1.375 MC BRCKT MNTNG SHORT BOLT	95	20 40
	4722A46H08	.375-16X2.375 MC BRCKT MNTNG LONG BOLT	23	20 40
A4	1C40590H45	CONTACTOR	8	1 2
A5	1C40590H08	FAN BLADE, CONDENSER WIHUB	0	1 1
	1C40590H42	MOTOR 1.5HP	3	1 2
	409P980H10	MOTOR (F016)	2	1 1
A6	1C40590H14	BLOWER WHEEL	2	1 3
	1C40590H43	LOG'C BOX	5	2 6
	409P980H22	AIR CONDITIONER', COMPRESSOR	2	1 1
AA3	5629B62H01	TELEPHONE ~ETAINER CLIP	6	1 2
B1	1121F87G01	PROGRAM STOP ENCLOSURE ASSEMBL	4	0 0
	8369D11G01	FAIL SAFE RELAY &VOLTAGE DETE	1	0 0
	8369011G02	FAIL SAFE VOLT. DETECTOR (CR1 -B-& -Cj	1	0 1
B2	1120F30G01	HEAT SINK ASSY	1	0 1
	1120F30G03	HEAT SINK ASSEMBLY	1	0 1
	2534B01H01	BALE BAR 18.75 X 1.00) .25	3	1 1
	2534B03H01	BALE BAR CLIP 1.81 X .75) .048	44	3 3
	404P500H01	SPEC. PURCH..... NON-INVENTORY	1	0 1
	70400EB620	RIVET .125 X .31 LG CSK	44	2 5
B3	404P724H03	TRANS. BLOWER BUSHING	30	5 10
	4078B47H01	FILTER	12	5 10
	409P129H34	BLOWER MOTOR	3	1 2
	4675C14H02	WIRE GUARD @	2	0 1
	4675C14H03	TRANS.BLOWER ANGLE RING	3	0 1

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	4675C17H01 DUCTS	0	0	1
	577B379G01 BAND	5	0	1
	5D77604H01 DEFLECTOR	0	0	0
	8368D99H05 GASKET	0	0	0
	3973C12H01 CHOKE BATTERY CHARGER	2	1	1
	3973C14H02 TRANSFORMER 480/136/136	3	1	1
	773B728G21 AIR COMPRESSOR MOTOR	2	1	1
	3930A39H04 TRANSFORMER 480 V MIAMI AIRPO	1	0	0
	4675C15G02 TRANSFORMER BRAKE X-FORMER "C" CAR	1	0	0
	6966C13H02 ENCAPSULATED TXFORMER DYNAMIC BRAKING	4	1	1
	2538B99H01 AIR TANK 1)	0	0	0
	88~4D32H03 REPAIR KIT, FSE	7	2	3
	1074F75H04 BELTS FOR COMPRESSOR	6	4	6
	404P301H03 ELBOW, 90 DEGREE T SHORT, FSE 1	8	1	2
	404P322H06 ELBOW 90 DIFG., FSE 24	5	1	5
	404P471H04 NIPPLE, FSE	14	1	2
	4677C95G11 VARISTOR ASSEMBLY, FSE	13	3	5
	4767A26H02 CABLE GRIP .312-.375, FSE	9	2	5
	5586B62H02 CYLINDER HIGH PRESSURE	4	2	2
	70001BU28Q SCREW .190-32 X .75 LG, FSE	10	5	10
	70500B031B WASHER .190 WIDE STL, FSE	10	5	10
	83680S6H13 MTG CUP 4.53 X 1.75).116, FSE		2	1
	1			
	8844D32H01 SOLENOID VALVE, FSE	14	2	4
	8844032H02 COIL, FSE	2	1	1
B3	5586B62H07 SLEEVE HOLDDOWN	1	1	1
	5586B62H18 VALVE ASS DISCHARGE	6	2	2
	5586B62H20 SUCTION VALVE	5	2	7
	5586B62H35 VALVE	4	0	0
	5586B62H08 SEAL O-RING, CAP	1	3	3
	5586B62H09 SEAL FELT, PLUNGER TO SLEEVE	2	4	4
	5586B62H10 SEAL O-RING, PLUNGER TO SLEEVE	3	3	3
	5586B62H11 PLUNGER	1	2	2
	5586B62H14 PLUG DISCHARGE VALVE	3	1	1
	5586B62H25 SLEEVE HOLDDOWN	3	2	2
	5586B62H26 SEAL O-RING CAP	4	2	2
	5586B62H27 SEAL FELT, PLUNGER TO SLEEVE	2	4	4
	5586B62H28 SEAL O-RING PLUNGER TO SLEEVE	6	3	3
	5586B62H29 PLUNGER	6	1	1
	5586B62H31 GASKET CAP	2	2	2
	5586B62H32 PLUG DISCHARGE VALVE	1	1	1
	5586B62H37 VALVE ASSEMBLY SUCTION	3	2	2
	5586B62H51 COVER VALVE	1	2	2
	5586B62H52 S~ COVER	5	4	4
	5586B62H53 SPRING	5	6	6
	5586B62H54 VALVE CHECK	3	2	2

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	5586B62H55 PIN	6	4	4
	5586B62H56 SEAL PIN	4	4	4
	5586B62H57 RETAINER Oil RELIEF SPRING	2	1	1
	5586B62H58 SPRING OIL RELIEF	1	2	2.
	5586B62H59 BODY	2	4	4
	5586B62H60 PISTON	8	2	2
	5586B62H61 DIAPHRAGM	21	12	12
	5586B62H62 COYER OIL PUMP	2	1	1
	5586B62H70 BALL NYLON, Oil RELIEF VALVE	2	1	2
	5586B62H73 SLEEVE RUBBER	4	2	2
	5586B62H75 SEAL OIL	4	0	0
	5586B62H83 GASKET INTERCOOLER TUBE	8	2	2
	5586B62H85 VALVE ASSEMBLY SAFETY	1	0	1
	5586B62H87 ROTOR OIL PUMP	2	1	1
C4	2535B57H01 MTG SPRING .207 DIA MUSIC STL	2	4	4
	2535B57H02 MTG SPRING .177 DIA MUSIC ST	2	4	4
	404P687H07 GASKETKIT	1	2	2
	404P749H69 TEE FITTING	2	0	0
	404P840H13 GAUGE 0-60 PSI	1	0	1
	4169A28H06 BOLT 1) .500-13 X 6.00	16	10	10
	4727A56H19 BOLT	20	10	10
	5586B62H05 GASKET	2	1	2
	5586B62H11 GASKET LOW PRESSURE CYLINDER	2	2	2
	5586B62H34 GASKET HIGH PRESSURE CYLINDE	2	2	2
	5586B62H44 CONE BEARING	6	0	2
	5586B62H71 RING KIT PISTON, HIGH PRESSU	1	2	2
	5586B62H74 TUBE OIL INTAKE	2	2	2
	5586B62H76 RING KIT PISTON, LOW PRESSUR	1	0	1
	5586B62H80 BEARING KIT CONNECTING ROD	0	2	2
	5586B62H81 CUP BEARING	2	2	2
	5586B62H86 O-RING OIL PUMP COVER	1	1	2
	5586B62H88 VANE OIL PUMP ROTOR	9	4	8
	5586B62H89 SPRING VANE	6	4	4.
	5586B62H90 INSERT	1	1	2
	5586B62H99 O-RING BREATHER TUBE	4	3	3
	70510CV10S LOCKWASHER .500 REG STL	48	25	25
	71310DM801 ELBOW .125 X 45 DEG M.I	3	3	3
	71310EBEL1 NIPPLE 1/8NPT X 2"	5	2	2
C5	5586B62H41 AIR CLEANER ASSEMBLY	5	2	2
	5586B62H42 ELEMENT AIR CLEANER	5	6	6
	5586B62H98 TUBE CRANKCASE BREATHER'	1	2	2
C6	404P982H01 PULLEY, MOTOR	1	0	1
	5586B62H16 HEAD LOW PRESSURE CYCLINDER	2	1	1

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	5586B62H33 HEAD HIGH PRESSURE CYLINDER	3	1	1
	5586B62H43 CRANKSHAFT	2	2	2
	5586B62H78 CRANKCASE .	1	0	1
	5586B62H93 RETAINER REAR	1	2	2
	5587B02G02 CYLINDER AIR COMPRESSOR – LOW	0	1	1
	5587B12G01 INTERCOOLER	2	1	1
	1C41 821H01 PRESSURE REGULATOR (NEW TYPE)	7	4	8
	1C41821H02 M	4	1	5
	1C41821H04 R	11	5	10
	3925A66H04 AIR CHECK VALVE	6	2	10
	404P840H11 PRESSURE GAGE 0-160PSI BK MO .	7	2	6
	409P068H02 CARTRIDGE KIT (NEW)	2	1	2
D2	2534B78H02 MANUAL VALVE	1	3	8
	3925A65H01 RELIEF VALVE .	3	0	0
	3925A66H02 AIR CHECK VALVE	0	3	8
	3925A87H01 VALVE PRESSURE HOLDING	8	3	5
	404P699H03 REPAIR KIT	12	4	10
	404P700H01 DOUBLE CHECK VALVE	7	2	5
	404P863H08 VALVE REPAIR KIT.	4	3	9
	409P068H06 PURGE VALVE	11	3	7
	652A103H02 DRAIN VALVE	7	2	6
D3	3911C41G02 AIR DRYER (BENDIX #286934)	2	1	1
	3911C41H03 SAFETY VALVE AIR DRYER	8	0	0
	3925A66H02 AIR CHECK VALVE	2	3	8
	3925A67H03 VALVE QUICK RELEASE	11	2	4
	3925A67H05 SEALING RING QUICK RELEASE V	58	10	30
	3925A67H06 DIAPHRAGM QUICK RELEASE VAL	54	10	30
	404P308H03 PIPE FITTING	3	3	8
	404P498H10 PRESSURE SWITCH J57 120.150	3	2	2
	404P699H06 12V COIL	11	0	0
	404P720H18 AIR SOLENOID SCREW	10	5	15
	404P996H03 CHECK VALVE	18	5	15
	409P040H03 CSO CONTACTS	1	1	3
	409P068H05 AIR DRYER MOUNTING BRACKET	6	1	1
	409P068H07 AIR DRYER END COVER	3	0	0
	409P068H09 .SEALING PLATE	8	0	0
D4	2534B39H01 ADJUSTABLE PRESSURE SWITCH #60	3	3	3
	2534B39H02 ADJUSTABLE PRESSURE SWITCH #60	0	3	3
	2534B39H03 ADJUSTABLE PRESSURE SWITCH -M3	8	3	3
	2534B39H05 ADJUSTABLE PRESSURE SWITCH -M1	3	3	3
	404P720H15 AIR PACKAGE, KIT PUSH-N-DRAIN	7	0	0
D5	3D15178G01 MOUNTING BRACKET	7	0	0
	3D15179H16 LEVELING VALVE TUBING	86	0	0
	3D15323H01 LEVELING VALVE WARM (ASSY W/O BRACKET)	6	5	12
	404P309H20 BUSHING	20	3	6

404P309H21 FITTING

18 3 6

404P30
9H21 FITTING404P31
9H11 FITTING ADAPTER404P47
2H04 REDUCING ELB 90 DEGREE404P54
2H02 PIPE BUSHING404P54
2H05 PIPE BUSHINF404P54
3H01 MALE RUN TEE 250 OD TUBE .250404P54
4H01 A/R VALAVE MALE ELBOW404P56
9H10 A/R VALVE MOUNTING BUSING404P85
6H02 A/R VALVE MUFFLER ASSY409P12
1H50 LEVELING VALVE FITTING4725A4
2H01 VALVE BAR 8.00) OF 1.00 X 14767A2
6H35 A/R VALVE SOLENOID CABLE GRIP

6158A0 EXTENSION KIT WITH COTTER PINS

6246D7 7G03	VEHICLE DETAILS
6963C2 6G01	LEVELING VALVE ARM
70001B U45Q	SCREW .164-32 X 1.00 LG
107D92 4G04	RELAY VALVE ASSEMBLY
404P69 9H15	A/R SOLENOID LEADS-OVAL
404P69 9H16	SOLENOID LEAD-ROUND
409P06 7H01	A/R VALVE REPAIR KIT
4772A7 6H01	A/R VALVE SOLENOID ASSY
203P51 6G01	PC BOARD
203P52 1G01	P C BOARD BAT CHARG
203P52 1G04	BATTERY CHARGER PHASE CONTROL PCB
203P64 5G02	PC BOARD
203P67 4G01	PC BOARD, OVER SHOOT BOARD
203P70 8G01	PC BOARD ASSY
203P76 8G04	DIFFERENTIAL
203P78 6G02	WAS REMOVEN ON -08-13-95

203P78 8G02	PC BOARD
203P79 7G01	PC BOARD REVERSER LOGIC ASSEMB
203P80 0G03	PC BOARD, POWER INTEGRITY
203P80 9G02	PC BOARD, RE;AU DROVER AMPL
209P16 7G02	PC BOARD ASSY
209P17 5G06	PC BOARD TRANSMITTER ASSEM
209P20 4G01	PC BOARD, INFORMATION DIVIDER
209P28 5G02	P.C. BOARDS
209P30 1G01	P C BOARD OVERSHOOT LATCH D
209P30 8G02	PC BOARD ASSY
209P32 6G01	PC BOARD ENCODER BOARD
209P35 5G02	PC BAORD, INFORMATION RECEIVER
209P35 6G04	P C BOARD PROPULSION RECEIV
209P35 6G07	PROPULSION RECEIV
209P35 6G08	P C BOARD PROPULSION RECEIV
209P35 7G01	PC BOARD, INFORMATION FILTER
209P35	PC BOARD, INFORMATION FILTER

209P36 0G01	PCB, FAIL SAFE RELAY DRIVER
209P36 0G04	P C BOARD FAIL SAFE RELAY D
209P36 0G08	P C BOARD FAIL SAFE RELAY D
209P36 0G09	P C BOARD FAIL SAFE RELAY D
209P36 0G13	PC BOARD, FAIL SAFE RELAY D
209P36 1G08	P C BOARD POWER RELAY
209P36 1G20	P C BOARD POWER RELAY
209P36 1G21	P C BOARD POWER RELAY
209P36 1G22	P C BOARD POWER RELAY
209P39 5G01	P C BOARD OVERSHOOT DETECTO
209P42 4G02	PC BOARD
209P42 4G05	P.C. BOARDS
209P43 0G01	P.C. BOARDS
209P43 1G01	PCB OSCILLATOR
209P43 4G03	P C BOARD RAMP GENERATOR AS
209P43 7G04	PC BOARD, P.I. CONTROLLER & JE

209P43 8G03	PC BOARD, JERK LIMITER (PROPUL
209P44 1G03	PC BOARD, BRAKE MODULATOR
209P44 5G02	PC BOARD, BRAKE DRIVER
209P44 6G03	PCB CURRENT REGULATOR
209P44 7G01	P C BOARD UNIVERSAL REF & S
209P44 7G06	SIGNAL GENERATOR
225P71 9G01	PC BOARD, OVER VOLTAGE CIRC
226P00 8G02	P C BOARD NON VITAL SPEED DE
226P07 0G01	PC BOARD ASSY
226P09 2G02	PC BOARD, VEHICLE LI NE REC
226P09 2G03	PC BOARD, VECHILE LINE REC
226P15 2G01	P C BOARD DYNAMIC BRAKE GAT
226P15 2G04	P C BOARD DYNAMIC BRAKE GAT
226P16 8G02	PC BOARD, DYNAMIC BRAKE CONTROL
226P17 2G02	PC BOARD
226P17 4G01	PC BOARD, 1 PHASE 60 HZ BATT
226P17	PC BOARD, 1 PHASE PAT CHAR

226P19 0G01	P C BOARD SPEED DECODER SQU
226P19 0G02	P C BOARD SPEED DECODER SQU
226P19 2G01	PC BOARD, FAILURE DETECTOR
226P19 4G01	P C BOARD DOOR & RECORDER C
226P21 8G01	P.C. BOARD @
267P75 7H01	LOW TIRE PRESSURE INTERFACE
267P77 4G01	PC BOARD, OVERSHOOT DIVIDER AS
1020J5 6H74	RUBBER 96.0) .063 THK
1021J8 2H04	LEVER ASSY
1C4081 1107	CAM PLAYE – RH
1C4081 1H14	LH CAM PLATE ASSY
1D6283 2H01	BRACKET 8.06 X 1.00) .125 TH
409P07 7H26	COPVER TOUCH PLATE
409P07 7H89	DOOR RELAY PANEL
409P07 7H94	LEVER ASSY L.H
4676C5 9H01	Plate @4.98X3.48) OF .05

1020J5 6H73	GUTTER FOAM, NEOPRENE
1214J8 5H11	CAM SWITCH
404P50 9H04	BEARING
404P52 5H19	RETAINING RING
404P58 4H07	BUSHING
404P98 6H10	SPIROID GEAR
404P98 6H12	PINION GEAR
409P22 2H07	STANCHION TOP FITTING
558258 8H01	VEHICLE TOP ROLLER BEARING
1021J8 2H06	TOGGLE SWITCH
1C4081 1H07	SWITCH, LEVER
1C4081 1H15	SPRING COMPRESSION
1C4081 1H19	SNAP SWITCH
1C4081 1H23	RESISTOR 5 OHM-100 WATT-ADJU
1C4081 1H24	BEARING
1C4081 1H28	10 OHMS

1C4081 1H29	RESISTOR 20 OHM-100 WATT-ADJ
1C4081 1H61	SPACER
1C4081 1H72	CABLE TIE MOUNTS
2539B5 1H01	EDGE RUBBER
3973C0 6H01	TRACK SP RING 10.43X.50) .063
3973C8 6H06	PUSHBUTTON
3973C8 6H07	KEY SWITCH - VEHICLE
404P11 3H02	DOOR KEY SW
404P43 6H30	SCREW
404P50 6H02	SWITCH TOGGLE
404P50 8H05	NYLON BEARING
404P52 3H05	LIMIT SWITCH DOUBLE BREAK SPDT
4078B6 4H02	KEY "D"
409P04 2H02	BRUSH & SPRING ASS'Y
409P07 6H01	KEY
409P07 7H05	THYRECTOR DIODE ASSY VEH & WAY OP. MOTOR
409P07	SWITCH INSULATOR

409P07 7H85	TOGGLE	
70020B D74N	CAM SET SCREW	
8844D4 0H02	BEARING – NYLON	
1214J8 5H14	RETAINING RING	15
1504F8 8H08	GUIDE ASSY R.H.	0
1C4081 1121	BRACKET ASSY MTG (LH)	3
1C4081 1H20	BUMPER	20
1C4081 1H21	MICA WASHER #56316228-01	25
1C4081 1H22	CUP WASHER #56316227-01	10
1C4081 1H60	BEARING, NYLON	8
1D6283 2H02	ANGLE 5.62 X 1.77) .125 THK	10
1D6283 2H03	ANGLE 5.62 X 1.77) .125 THK	10
1D6283 2H04	RAMP 2.00) .75 X 1.00 ALUM (LEFT)	10
1D6283 2H05	RAMP 2.00(.75 X 1.00 ALUM (RIGHT)	0
2538B1 7G02	DOOR HANGER GUIDE ASSEMBLY	10
2562B2 2H01	GUIDE 5.00) OF .62 SQ.	30

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404P50 8H04	BEARING	10
404P50 8H12	WASHER (DOOR OPERATOR)	12
404P50 8H13	BEARING, NEEDLE	15
404P52 5H20	RING RETAINING	25
404P57 8H02	DOOR GUIDE	0
404P62 2H27	DOOR GUIDE & STUD	20
409P04 7H01	SHIM	13 0
409P07 7H82	DOOR EQUIPMENT BRACKET-RH	0
4726A2 3H01	BRACKET 5.09 . 188 X 3.00	0
70041A W070	SOCKET SCREW	10
70500B R30G	WASHER .312 STD SST	8
70510D Q10P	LOCKWASHER .312 REG. SST	8
8844D4 0H03	RETAINING RING	5
1504F8 7H05	STRIP ASSEMBLY-RECTIFIER	0
1C4- 811H62	VEHICLE WEATHER PLATE	5
3973C0 6H02	SPRING BLOCK	10

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3973C0 6H03	COVER PLATE (THRESHOLD SPRING)		10
409P06 3H02	BUZZER		0
409P07 1H03	ENCLOSED CHIME		6
70041A W246	SCREW		0
8368D8 0H15	VEHICLE DOOR SEALS		1
8369D3 6H13	GUIDE SPACE		1
8369D3 6H14	TAPPED BAR		1
8369D3 6H15	ANTICLIMBER BRACKET (LONG)		2
8369D3 6H16	BRACKET SHORT ANTICLIMBER		4
8369D3 6H17	ANTICLIMBER SPACER		6
6964C9 6H01	ALUMINUM SPACIER (VEHICLE BOTTOM TRACK)		30
8369D3 6G03	VEHICLE BOTTOM DOOR GUIDE TRASIT EXPR		48
8369D3 6G04	VEHICLE BOTTOM DOOR BUIDE TRASIT EXPR.		48
2538B1 4H01	VEHICLE WINDOW GASKET – LG SIDE		2
2538B1 5H01	VEHICLE WINDOW GASKET – DOOR		2

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6153A20H02	POWER SUPPLY	1	0
0			
5080085H02	30-RAIL COVER	14	2
4			
4679C18H01	TERMINAL BOARD POLY SHEET	3	1
1			
4727A56H07	3-BOLT	12	4
12			
4D03069G01	COLLECTOR MOUNTING BRACKET	1,	0
1			
70210AW61A	NUT, BRONZE -36 10 30 70500B030H WASHER. BRONZE	25	10
0			
7051066100	LOCKWASHER, BRONZE	4	10
40			
5D80046G0	1 RAIL CLAMP	55	15
30			
8597C30G01	SLIDING GUID ASSY.	14	3
6			
6958C29H14	CABLE	15	2
4			
5D80047H01	JOINT COVERS 200	10	15
62			
6248D37G03	ANTENNA (INFORMATION, PROGRAM STOP)	3	1
0			
5080048G01	POWER RAIL CLAMP(WITH PIN)	45	5
15			
6972C93H01	PLATES	38	10
20			
6972C97G02	POWER TERMINAL	13	5
10			
1C44451G01	COLLECTOR SHOE ASSY(COMPLETE ASSY.)	3	2
4			
1C44452H01	SHOE HOLDER (MACHINED EXTRUSION)	15	5
10			
5585B79H01	COLLECTOR PARALLEL ARM	41	10
20			
5D80046H02	HANGER ASSY BOLT	9	5
15			
5D80046H03	INSULATED ASSY -LOCKWASHER	59	10
20			
5080046H04	INSULATED ASSY NUT	38	10
20			
6967C72G02	KNUCKLE CASTING	17	5
15			
6972C93H02	PLATES	60	10
20			
3A63290H29	COTTER PIN (COLLECTORS)	440	50
100			

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404P533H11	GROOVE PIN	20	10
30			
404P536H47	SPRING	7	2
5			
404P600H35	WASHER	100	10
30			
4899B59H01	PIN (MAIN SWIVEL)	151	10
30			
4899B64H01	EXTENSION SPRING	17	5
20			
5585B87G01	ADJUSTABLE SPRING KEEPER	5	5
20			
70020BP73L	COLLECTOR SHOE SET SCREWS	94	0
0			
404P435H12	WASHER, COLLECTOR SHOE	100	20
60			
404P540H27	SLEEVE FOR KNUCKLE (SHORT)	107	20
60			
404P540H28	SLEEVE FOR KNUCKLE (LONG)	51	20
60			
5586B24H01	SWIVEL STEM	8	5
15			
5586B49H01	INSULATOR BLOCK	22	4
10			
5D80089H04	FLEX LOCKNUT .250-20 PLATED STEEL	250	50
100			
5D80089H05	BOLT COLLECTOR TERMINAL	80	20
30			
70310CB0BA	SPRING PIN	24	10
50			
70400FA629	SHOE HOLDER RIVET	14	10
30			
1C43503H01	NEW MOUNTING BRACKET "Z"	1	1
1			
268P044G01	OVERSHOOT PLATE ASSEMBLY	31	40
80			
5D80069H03	.SET SCREW .250-20 X 1.50 BLACK OXIDE	99	40
80			
5D80089H06	SHOE HOLDER WASHER .250 SST	100	20
50			
5D80090G01	DRILL JIG FOR Z BRACKETS P/N DJ5	2	0
0			
652A292H01	BOLT .500-13 X 2.50 HEX HD STL	35	20
50			
7021OSK51E	NUT .500-13 HEX STL	70	20
0			

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7050OCT01J	FLAT WASHER	0	20
100			
70510DI10S	LOCKWASHER .500 X-DUTY STL	100	10
100			
5573C73H01	COLLECTOR SHOES	53	20
200			
5D80047H02	1 7/8" RAIL COVER	22	2
4			
5D80047H03	16" RAIL COVER	20	4
40			
4P266H02	6/8S -3/8-18	6	3
6			
404P301H04	HOSE FITTING ELBOW	18	0
0			
404P301H07	COUPLING 2096-65	8	3
4			
404P304H06	HOSE FITTING FC9212-0808S	48	10
30			
404P305H02	HOSE FITTING FC9215-0S04S 40	10	30
40			
4P305H05 #6	HOSE FITTING	14	0
0			
404P305H06	HOSE FITTING, STRAIGHT SWIVEL	37	3
6			
404P306H07	STRAIGHT ADAPTER 2021-4-6S	15	3
4			
404P306H08	FITTING	14	2
6			
404P306H11	ADAPTER 2021-6-6S	7	3
4			
404P306H15	ADAPTER 2021-8-65	19	3
4			
404P306H16	ADAPTER (AEROQUIP 2021-8-8S)	2	10
30			
404P306H17	ADAPTER	5	10
30			
404P306H19	ADAPTER 2021-12-65.	3	3
4			
404P306H38	ADAPTER (AEROQUIP 2021-12-1 OS)	6	10
30			
404P307H06	4/8S -1/4-18	6	3
6			
404P310H06	JUC SWIVEL 63-190600-12	13	10
30			
404P316H05	EXTERNAL PIPE 8/65/12-1/4 4 3' 12 404P316H05 TEE	15	0
0			
404P319H03	FITTING	5	2
5			
404P319H04	ADAPTER 2040-4-6S	18	3
4			

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404P319H13	ADAPTER 2022-4-6S	7	3
8			
404P320H01	CROSS	5	3
4	404P322H04 LAMP INDICATOR		
3	0 0		
404P322H07	ADAPTER (AEROQUIP 2024-4-85)	24	10
30			
404P322H13	ADAPTER (AEROQUIP 202414-4-65)	24	10
30			
404P322H14	ELBOW	4	3
4			
404P322H17	ELBOW (AEROQUIP 2024-6-65)	5	10
30			
404P322H19	ELBOW (AEROQUIP 202413-4-6S)	19	10
30			
404P324H02	ELBOW 2085-4-4S	13	3
4			
404P327H03	PIPE REDUCER .250/.375 2081-6-4S	4	3
4			
404P327H04	PIPE REDUCER .50X.38 (AEROQUIP 2061-8-65	24	10
30			
404P327H07	PIPE REDUCER .50X.25 (AEROQUIP 2081-8-45	16	10
30			
404P466H01'	TEE (AEROQUIP 2033-6-6S)	3	10
30			
404P470H01	PIPE PLUG .375 (AEROQUIP 2082-65)	20	10
30			
404P470H03	PIPE PLUG .250-182082-	45	15
34			
404P470H04	PIPE PLUG .1252082-25	25	3
4			
404P470H06	PLUG	9	2
4			
404P471H01	PIPE NIPPLE 2083-6-65	6	3
4			
404P471H03	HEX NIPPLE (AEROQUIP 2083-4-45)'	9	3
8			
404P471H08	FITTING (AEROQUIP 2083-12-12S)	6	10
30			
404P472H02	ELBOW FITING 2089-4-45	4	3
4			
404Po472H03	PIPE ELBOW.(AEROQUIP 2089-6-6S	9	3
0			
404P474H09	FITING 37 DEG (AEROQUIP 2041-6-65) 4	10	30
6			
404P474H11	ELBOW 2 3 4004P493H02 FITING ADAPTER	10	5
10			
4004P763H02	ELBOW 90 DEGREE (AEROQUIP 2025-6-65)	2	10
30			
404P851H01'	37 DEG "FLARE TEE 203008-6-65.	10	3
4			

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6967C72G02	KNUCKLE CASTING	2	0
0			
1121F15H05	HINGES ATO DOORS	2	0
1			
404P415H83	SES BRACKET	10	0
1			
409P175H45	SENSITIVE EDGE (RA-1)	4	1
1			
409P175H46	SENSITIVE EDGE (IA-1)	4	1
1			
409P262H22	SES ASSEMBLY	4	1
1			
4682C60H02	BAR	3	1
2			
5625Bs..H01	VEHICLE DOOR CAP (ORDER UNIT BY INCHES 3611 950	36	0
0			
8368D80H13	SEAL MTG STRAP	1	2
4			
8368D80H14	SEAL MTG STRAP	2	0
0			
404P589H21	BUTI SPLICE 12·10 AWG NYLON AMP 320570	188	50
300			
*4567B34H05	RING TERMINAL 16-14 AWG 6 STUD 51864	945	50
500			
4567B34H28	RING TERMINAL 16-14 AWG 10 STUD 36160	127	50
500			
4567B34H51	TERMINALS .	150	10
100			
4567B34H56	RING TERMINAL 12·10 AWG 10 STUD 35109	312	50
500			
4567B34H59	TERMINAL	100	21
63			
4567B34H66	RING TERMINAL 22-16 AWG 10 STUD 36154	161	50
500			
7077D66G02	COOLING TUBE	1	0
1			
8588C48H25	FAST ON 22-18 AWG .250 TAB 640903-1	195	15
40			
8588C48H26	FAST ON 16-14 AWG .250 TAB	126	50
500			
8568C48H27	FAST ON 12-10 AWG .250 TAB 640907-1	150	15
14			
1253A33H01	CAPACITOR 5 UF 100V (UseD ON PCB 209P434	8	2
10			
1253A57H04	DIODE #1N5342	10	5
10			

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1253A81H02	RELAY PCB 194	10	1
3			
2557A21 H01	CONNECTOR, PCB CRD	7	3
5			
2560A56H01	POLARIZING KEY, PCB CRD	4	1
3			
2974A07H03	POTENTIOMETER	0	0
0			
2975A26H02	TERMINAL SEPARATOR	5	1
2			
404P117H53	RELAY(FOR 203P708 PCB)	8	3
12			
404P589H20	Burr SPLICE 16-14 AWG NYLON AMP 320562	100	50
300			
404P612H27	TERMINAL .375 STUD 1/10 SIZE	30	10
30			
404P669H01	PIN SPIROL	200	50
130			
6966C32G01	OUT PUT PULSE TRANSFORMER	4	2
2			
8588C47H09	TERMINAL	39	10
50			
8588C47H11	TERMINAL .250/2 AWG COLLEC10R SHOES	250	50
200			
8588C47H11	TERMINAL 5/16 STUD 4 AWG 328163	25	10
60			
8588C47H18	TERMINAL 5/16 STUD 2 AWG 325202 -	20	10
60			
8588C47H22	TERMINAL 5/16 STUD 4/0 AWG 325602	30	10
60			
8588C47H26	TERMINAL	25	0
0			
8588C47H34	TERMINAL 3/8 STUD 2 AWG 2 HOLE 326799	175	50
200			
3A63286H62	COTTER PIN SST TOW BAR	8	0
0			
3A63290H11	COTTER PIN INTERLOCK ASSY.	25	0
0			
3A63290H12	PIN .062" DOOR CAPu..S1 CONTACTOR	100	50
300			
3A63290H31	COTIER PIN SPINDLE .125 X 1.50 LGS	230	50
150			
70312AF04U	COner PIN LEVELING VPU.VE	200	50
200			
70312AF07F	COTIER PIN ANTENNA .125 X 1.00 LG ST	40	10
30			

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70312AF0A2	COner PIN SPRB .156 X 1.25 LG S	46	100
300			
70001BU245	SCREW	40	10
50			
7050OB0300	SCREW	85	42
127			
8588C47H20	TERMINAL 5/16 STUD 2/0 AWG 325402	50	10
60			
8588C47H29	TERMINAL 3/8 STUD 2/0 AWG 325403	35	10
60			
8588C47H31	TERMINPU. 3/8 STUD 4/0 AWG 325603	47	10
60			
8568C47H36	TERMINAL 3/8 STUD 210 AWG 2 HOLE 326801 .	50	10
60			
8588C47H38	TERMIANL 3/8 STUD 4/0 AWG 2 HOLE	58	25
00			
8588C47H39	TERMINAL 100	10	30
2			
70100EG04W	HEX HD BOLT .312(5/16)182.00 LG	28	20
100			
70100EG04Y	HEX HD BOLT .312(5/16)182.25 LG	100	50
200			
70100EG050	HEX HD BOLT .312(5/16)18 2.50LG	110	-20
100			
70100EG051	HEX HD BOLT .312(5/16)182.75 LG	317	20
100			
70100EG052	HEX HD BOLT .312(5/16)18 3.00 LG	130	20
100			
70100EG053	HEX HD BOLT .312(5/16)183.25 LG.	380	20
100			
70100EG050	HEX HD BOLT .312(5/16)183.50 LG	96	20
100.			
70100EG07Q	HEX HD BOLT .375(3/8)16 2.00 LG	28	20
100			
70500CT03Q	WASHER .136	127	20
100			
4567B34134	BUTT SPLICE 22-16 AWG NYLON AMP 320559	315	50
300			
70001BU21F	SCREW .112-40 X .25	24	10
50			
70001BU21H	SCREW .112-40X.38	32	10
50			
70001BU21K	BOLT.112-40X50	34	10
50			
70001BU21P	SCREW .112-40 X .75 FIL HD STL	145	50
100			

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70001BU21T	SCREW .112-40 X 1.00 FIL HD STL 1		48	50
100				
70001BU21V	SCREW .112-40 X 1.25 LG FIL HD STL 1		50	50
100				
70001BU21X	SCREW .112-40 X 1.50 FIL HD STL		50	5
20				
70001BU23Z	SCREW .138 -32X.38		37	18
55				
70001BU241	1 SCREW		60	10
30				
70001BU25L	FILISTER HEAD SCREW .164(8/32)-32X.75LG	50	20	100
70001BU25Q	FILISTER HEAD SCREW .164(8/32)-32X 1.0LG	50	20	100
70001BU25S	FILISTER HEAD SCREW .164(8/32)-32X1.25LG	4	20	100
70001BU28L	SCREW (REVERSER)	0	10	50
70001BU28U	SCREW .190-32X1.00 LG FIL HD STL	100	50	100
70001BU28W	BOLT	39	10	50
70001BU28Y	BOLT .190-32X1.50	120	10	50
70200BNBOT	NUT .112.40	126	63	189
70200BNBOX	NUT .132.32	100	50	150
70200BNB0Z	NUT 0164-32	2	10	50
70200BNB12	NUT .190-32(10/32)	563	20	100
70500BD30C	FLATWASHER	225	10	50
70500BD30E	FLAT WASHER .190	110	10	50
70510CV10E	.112 STL LOCKWASHER	550	20	100
70510CV10G	LOCKWASHER .138(6/32)	28	20	100
70510CV10H	LOCKWASHER .164(8/32)	239	20	100
70510CV10K	LOCKWASHER	200	20	100

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	.190(10.32)			
70100EG01Y	HEX HD BOLT ..250 (1/4) 20 .175 LG	70	20	100
70100EG020	HEX HD BOLT ..250 (1/4) 20 2.00 LG	200	20	100
70100EG022	HEX HD BOLT ..250 (1/4) 20 2.250 LG	200	20	100
70100EG024	HEX HD BOLT ..250 (1/4) 20 2.50 LG	200	20	100
70100EG025	HEX HD BOLT ..250 (1/4) 20 2.750 LG	300	20	100
70100EG026	HEX HD BOLT ..250 (1/4) 20 3.00 LG	351	50	200
70100EG01N	HEX HD BOLT ..250 (1/4) 20 0.50 LG	40	20	100
70100EG01Q	HEX HD BOLT ..250 (1/4) 20 0.75 LG	115	20	100
70100EG01S	HEX HD BOLT ..250 (1/4) 20 1.00 LG	125	20	100
70100EG01W	HEX HD BOLT ..250 (1/4) 20 1.250 LG	0	20	100
70100EG01W	HEX HD BOLT ..250 (1/4) 20 1.50 LG	100	20	100
70201BK616	NUT .250-20(1/4)	200	20	100
70500CT00P	FLAT WASHER .250(1/4)	100	20	100
70510CV10M	LOCKWASHER .250(1/4)	250	20	100
70100EG04L	HEX HD BOLT ..312 (5/16)18 0.75 LG	48	10	30
70100EG04N	HEX HD BOLT ..312 (5/16)18 1.00 LG	48	20	100
70100EG04Q	HEX HD BOLT ..312 (5/16)18 1.25 LG	57	50	200

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70100EG04S	HEX HD BOLT .312 (5/16)18 1.50 LG	50	20	100
70100EG04U	HEX HD BOLT .312 (5/16)18 1.75 LG	100	20	100
70100EG0CK	BOLT .500-13 X .75 LG HEX HD STL	30	10	30
70100EG0CM	BOLT .500-13 X 1.00 LG HEX HD STL	40	10	30
70100EG0CP	BOLT .500-13 X 1.25 LG HEX HD STL	40	10	30
70100EG0CR	BOLT .500-13 X 1.50 LG HEX HD STL	40	10	30
70100EG0CT	BOLT .500-13 X 1.75 LG HEX HD STL	38	10	30
70100EG0CV	BOLT .500-13 X 2.00 LG HEX HD STL	40	10	30
70210BK618	NUT .312-18(5/16)	205	20	100
70500CT00T	FLAT WASHER .312(5/16)	340	20	100
70500CT016	FLATWASHER .500 STL STD	200	30	200
70210CV10P	LOCKWASHER .312(5/16)	80	20	100
70100EG07E	HEX HD BOLT .375(3/8)16 0.75 LG	320	20	100
70100EG07G	HEX HD BOLT .375(3/8)16 1.00 LG	100	20	100
70100EG07J	HEX HD BOLT .375(3/8)16 1.25 LG	40	20	100
70100EG07L	HEX HD BOLT .375(3/8)16 1.50 LG	100	20	100
70100EG07N	HEX HD BOLT .375(3/8)16 1.75 LG	120	20	100
70100EG07S	HEX HD BOLT	136	50	200

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	.375(3/8)16 2.25 LG			
70100EG07U	HEX HD BOLT .375(3/8)16 2.500 LG	58	20	100
70100EG07V	HEX HD BOLT .375(3/8)16 2.75 LG	118	50	200
70100EG07W	HEX HD BOLT .375(3/8)16 3.00 LG	72	20	100
70210BK61A	NUT .375-16(3/8)	120	20	60
70500CT00Y	FLATWASHER .375(3/8)	30	20	100
70510CV10Q	LOCKWASHER .375(3/8)	70	20	100
1D47608G01	SWITHCH BOARD ASSY	4	1	1
396C342G05	ARC SHUTE (LS1)	2	1	1
4078B40H02	LS2 COIL	6	3	3
4726A57G01	LS1 CCOIL	6	2	4
60A2872G37	CAM SWITCH, TYPE XCA-398	20	3	3
08C5097G01	LSI SHUNT	4	2	4
107D836H02	REVERSER CAMS	0	1	1
107D836H03	REVERSER CAMS	1	1	1
107D836H04	REVERSER CAM	1	1	1
107D836H05	REVERSER CAM	1	1	1
177A001H01	LARGE FLANGE WASHER	5	1	1
177A001H02	FLATWASHER	5	1	1
177A002H01	FELT WASHER	6	1	1
177A135G01	SHUNT LS2 AND BSC	8	2	4
26D584H10	SPRING 16.00) .040 DIA SST W	3	1	1
3D99510H01	SPRING (REVERSER	8	1	1

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	CAM ASSY)			
404P581H05	REVERSER BEARING	1	1	1
4227B59G01	SHUNT (REVERSER CAM ASSY)	5	1	1
4228B36H01	SMALL FLANGE WASHER	5	1	1
5623B04H30	HEX CAP SCREW .88 LONG	3	1	1
5623B04H57	HEX CAP SCREW .75 LONG	12	1	1
610B595G01	REVERSER RACK ASSY	1	0	0
70310BK0BE	GROOVE PIN	1	0	0
795C168G01	ARC CHUTE MOLDED (LS2/BSC)	2	1	1
795C168G01	PACKING CUP	13	1	1
8617A79G01	CONTACT WITH INSERT	40	0	0
22A8997G04	CONTACT ASSY (REVERSER)	8	2	4
280B831G01	REVERSER AIRTUBE (BETWEEN MAG VALVES)	3	2	4
404P581H03	REVERSER HOUSING BEARING	9	0	1
4228B05H01	FINGER SUPPORT BAR	10	1	4
4724A55G01	REVERSER INLET AIR HOSE	7	2	4
610B599H01	REVERSER FINGER BLOCK (LH)	13	2	3
610B599H02	REVERSER FINGER BLOCK (RH)	7	2	3
862C159G01	FINGER SUPPORT ASSY (LH)	1	1	2

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862C159G02	FINGER SUPPORT ASSY (RH)	4	1	2
0877692H30	SPRING (LS1 CONTRACTOR)	8	1	3
08B9878G15	REPAIR KIT (MAG VALVE ASSY)	1	2	3
1627429000	COIL (MAG VALVE)	7	2	4
17A1754X17	MAG VALVE ASSEMBLY, TYPE UB-73	7	0	0
1A96975H01	CRIMP WASHER (LS2/BSC AUX CONTACTS)	17	5	10
21S3154H01	STANDARD CORE (LS2/BSC)	3	1	2
4227B27G02	FINGER CONTACT ASSY STUD (REVERSER)	17	5	10
476A90G01	STD. CONTACT INTERLOCK FINGER	17	10	20
4779A95H01	CORE (LS2/BSC)	5	1	1
526D757G01	INSULATOR SLEEVE (LS2/BSC CORE)	12	5	5
526D757G01	FLAT CONTACTS (LS1 AUX BLOCK)	23	6	20
526D757G06	MOVING CONTACT (PLAIN) ASSEMBL	26	5	10
526D757H16	SPRING PIN	20	5	10
5263B91H01	INSULATOR WASHER	18	5	10
570A258G01	UPPER VALVE ASSY (REVERSER MAG VALVE)	2	0	0
5819C58G03	FINGER ASSY ROLLER ARM (REVERSER)	12	2	4
6157A68G01	LS2 WIPER CONTACTS	59	10	20
6157A90G01	FINGER ASSEMBLY	23	10	10

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70001BU2BZ	SCREW (REVERSER FINGER BLOCK)	6	5	5
70312AF00G	COTTER PIN (LS1 AUX CONTACT)	12	5	20
70500BD30F	FLAT WASHER (REVERSER FINGER BLOCK)	32	5	10
8617A20G01	LOWER VALVE ASSY (REVERSER MAG VALVE)	1	0	0
862C158G01	CONNECTOR	0	1	1
862C158G02	CONNECTOR	4	1	1
862C158G03	CONNECTOR	1	1	1
107D966G01	WIPER CONTACT (LS2/BSC)	4	2	6
18D9633H01	LS2 MAIN CONTACT	41	10	20
18D9643H01	LS1 MAIN CONTACT	22	4	12
526D755G03	AUX CONTACT ASSY (LS1)	1	1	1
526D758G03	INTERLOCKING ASSY	4	5	15
526D758H02	BASE DOUBLE STATIONARY PART	4	0	0
577B723G04	LS2 WIPERS RIGHT HAND	4	5	7
577C724G04	LS2 WIPERS LEFT HAND	2	10	15
70001BU25Y	INTERLOCK SCREWS	40	10	30
70001BU262	INTERLOCK SCREWS	12	10	30
280B522H07	SEAL	10	3	10
3930A55H01	SCREW, COVER BOLTS	7	3	6
404P739H04	GUIDE, PCB	27	3	6
404P739H05	GUIDE, PCB	25	3	6
570A168H02	SEAL, MOTOR BOX	23	3	6

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570A169H03	RETAINER, MOTOR BOX	35	0	1
570A169H04	SEAL	10	5	16
570A170H02	SEAL, MOTOR BOX	34	3	6
652A073H10	CABLE GRIP	17	8	24
652A073H38	CABLE GRI[3	1	4
70001BU28N	SCREW	10	10	50
70010GQH52	SCREW	10	5	15
70500BD30Y	.112 STD STL WASHER	50	20	100
70500BD31Y	WASHER	9	2	10
70530AQ13N	LOCK WASHER	201	100	301
8368D79H01	CABLE CLAMP	2	1	3
8368D79H02	CABLE CLAMP	3	2	6
8368D79H03	CABLE CLAMP	2	1	4
8368D79H04	CABLE CLAMP	5	3	9
8368D79H07	CABLE CLAMP	16	13	39
21D3155H01	HINGE PIN 1.668).500DIA STL	6	1	2
23B6306G01	BEAROMGGG BRAKET	2	1	1
699J078G03	REVERSER	2	0	0
70020BD74M	SET SCREW .250-20 X .375 HEX	2	1	2
8587C42H01	CONTACT ARM .875) EXTRUDED SEC	1	1	2
226D230A35	CONTRACTOR TYPE UMA-859A L & 1	6	0	1
31A4669A28	CONTRACTOR TYPE UMB-875A L & 2	1	0	1
1121F03G02	MAIN FRAME	0	0	0
2539B08H01	WHEEL SHIM	7	0	0

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3437C85H06	MAIN DRIVE TIRES	16	0	0
404P566H08	TRAILING AXLE WHEELS	4	0	0
5574C31H01	GUIDE TIRES	46	10	15
6246D71G03	LEAF SPRING ASSEMBLY	8	1	2
8596C95H02	GREASE (EVERYTHING EXCEPT BRAKES/OPERATO	100	10	25
8596C95H07	BRAKE GREASE	32	0	0
8597C32H29	GREASE (ADMAX MULTIPLEX)	21	5	20
3973C23H01	TOW BAR 20.17) OF 2.00 HE	3	0	1
4678C16H01	FITTING, AIR BAGS	5	1	1
4684C78H01	AIR RIDE SPRING, AIR BAGS	7	1	1
570A055H31	"O" RING, STD SIZE 210, AIR BAGS	15	5	10
6246D67H15	STUD 8.44) 1.625 DIA HR STL	6	12	6
70210GA61Q	NUT	3	2	10
70500BR31K	WASHER 1.00 WIDE SST	1	0	0
70510DQ11A	LOCKWASHER 1.00 STD STL	2	1	30
2969A44H02	BOLT SNUBBER, BRACKET LONG	8	4	8
652A292H03	BOLT, SNUBBER, BRACKET	14	5	5
70210BK61J	NUT, SNUBBER	14	5	10
70510CV10U	LOCK WAHSER, SNUBBER	11	3	6
8369D24G01	TOP MOUNTING BRACKET ASSEMBLY,	5	2	4

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	SNUBBER			
8369D24G02	BOTTOM MOUNTING BRACKET ASSY., SNUBBER	14	2	4
8369D56H04	SNUBBER	3	1	1
2562B55H01	RIM VALVE EXTENSION	35	10	20
404P458H02	LOCK NUT, GUIDE TIRES RIM	180	50	100
404P600H12	FLAT WASHER "D", GUIDE TIES RIM	350	50	100
404P631H02	BOLT, GUIDE TIRES RIM	300	50	100
404P902H01	VALVE	24	10	20
4785A55H02	FTD CLAMPS	9	1	2
5826C37G02	FTD X-MITTER (NEW TYPE)	1	3	3
6965C39H01	COUNTERWEIGHT	8	2	2
6965C40G02	FTD RECEIVER (NEW TYPE)	1	0	0
70510DL10Q	LOCK WASHER GUIDE TIRES RIM	380	50	100
8589C64167	SERVICE BRAKE CHAMBER	7	0	0
70500CT02H	WASHER, SHOCK ABSORBERS	10	1	3
8589C64H76	BRAKE CHAMBER ANCHOR LOCK	1	0	0
8837D54G01	SHOCK ABSORBER ASSEMBLY	14	2	4
3930A91H01	WIRE 16 AWG 19/.0113	1	200	500

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404P740H03	CABLE #2 AWG WELDING	1	0	0
404P740H16	INFO ANTENNA CABLE	2	0	0
404P740H23	O.S. SENSOR	1	0	0
404P740H44	PROGRAM STOP CABLE	1	0	0
62111MA35F	WIRE 14 AWG 19/.0142	2	200	500
62111MA35L	CABLE 12 AWG	1	50	500
62111MA3CQ	HIPALON WIRE #4	1	0	0
62111MA46Z	CABLE	1	0	0
62111MA4HE	CABLE	1	0	0
62125BT3MN	WIRE 2/C SHIELDED	0	0	0
66711GQ4MB	KAPTON WIRE 16 AWG 600V	1	0	0
8588C01H02	WIRE 20 AWG 600V	0	20	20
8590C82H03	WIRE 18 AWG 1000V	0	20	20
404P313H01	HOSE -04	1	0	0
404P313H02	HOSE .31 ID X .61 OD	1201	0	0
404P313H03	HOSE -08	1	0	0
404P313H04	RUBBER HOSE -10	1	0	0
404P313H05	HOSE -12	1	0	0
404P313H15	TEFLON HOSE	0	0	0
404P491H14	MAIN TRANSFORMER	1	0	0
404P508H06	HANGER ASSY	16	0	0
404P697H31	BATTERY (VEHICLE) DYNASTY GC12V100 LEAD	3	2	2

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404P697H35	BATTERY (SWITCH GEAR) EXIDE 3CC-3	0	0	1
409P077H96	SES SWITCH ASSEMBLY	4	0	0
4675C06G01	AXLE CLAMP NEAR	0	0	0
4675C06G02	AXLE CLAMP FAR	0	0	0
6246D69H06	LOWER SPRING CLAMP	0	0	0
8369D36H01	ALUM.EXT. 44.31)	11	0	0
8369D36H02	VEH. DOOR HANGER ASSY (ODD DOORS)	3	2	4
8589C64132	BRAKE SHOE LINING	25	0	0
53535BY00A	GREASE, EL. COMP. PWR. RAIL ONLY	1	0	1
409P980H13	EVAP. COIL AIR CONDITIONING	1	0	1
1C40540G01	AIR COMPRESSOR	2	2	2
332P750G01	TRACTION MOTOR	2	0	0
4675C16G01	MAIN TRANSFORMER VEHICLE	1	0	0
5586B29H06	FIBER GLASS CHANNEL	7	0	2
5D80084G01	RAIL ASSEMBLE WITH COVER	45	5	5
5D80085H01	RAIL COVER (BEIGE) 353.00 INCHES	50	5	15
6972C92G01	POWER RAIL	45	2	5
1C40811102	MTG PLATE	4	1	2
1C40811103	MTG BRACKET (SW)	10	1	2
1C40811104	MTG BRACKET (SW)	10	1	2
1C40811105	MTG BRACKET (SW)	10	1	2

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1C40811110	MTG BRACKET	4	1	2
1C40811152	CABLE AND HANDLE ASSY	8	1	2
1C40811154	THIMBLE	22	1	1
1C40811155	CLAMP	49	1	1
1C40811H08	MTG PLATE	3	0	1
1C40811H09	MTG BRACKET	4	1	1
1C40811H10	MTG BRACKET	4	1	1
1C40811H11	MTG BRACKET	4	1	1
4677C05H01	CABLE ASSEMBLY- EMERGENCY HANDL	5	1	2
4677C06H01	CABLE ASSY EMERG. HANLE (CAR SIDE)	4	1	3
1504F88H10	BRACKET-MTG PIVOTING SLIDE	2	1	2
2538B16H01	STANCHION BOTTOM PLATE	6	1	2
4078B17H02	LOGO PLATE	2	0	1
409P077H92	MARKER STRIP	4	1	2
409P077H93	DOOR PARTS TERMINAL STRIP	1	1	2
4682C60H01	DETAIL 2.50) OF .12 X 5	13	2	2
4682C60H04	DETAIL 22.50) OF .12 X .5	9	2	2
70010EU18F	SCREW	26	5	10
8369D29G01	BRACKET	28	5	10
1C40811113	BRACKET ASS'Y BUMPER	10	3	7
1C40811127	SPRING DOOR SLIDE	3	1	3

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1C40811H71	BRACKET ASS'Y BUMPER	6	3	7
404P536H43	SET SCREW	55	10	50
404P687H04	GASKET	10	3	7
404P687H05	OPERATOR GASKET	7	3	7
404P986H11	COVER	4	5	15
404P119H99	SES POWER SUPPLY	3	1	2
404P262H23	SES CONTROLLER	8	2	2
5580B17H01	PLAIN SLIDE ROLLER (OPERATOR ARM)	17	10	20
6976C08G06	ROLLER & BEARING	2	10	20
1C40811170	SHAFT AND LEVER	8	2	2
1C40811171	SHAFT AND LEVER	13	0	0
409P128H01	OPERATOR ARM RIGHT HAND	6	2	2
409P128H02	OPERATOR ARM LEFT HAND	4	2	2
6957C02G01	SLIDE ASS'Y DOOR	9	2	2
409P077H98	GEAR BOX HOUSING WAYSIDE	3	2	2
409P077H99	GEAR BOX HOUSING VEHICLE	3	0	1
404P548H01	KEYED WASHER	6	4	4
404P549H01	GREASE CAP	15	5	10
404P551H01	CASTLE NUT	12	10	10
404P845H05	LOCKNUT .500-20	12	10	10
4724A93H01	BOLT WHEEL 1)	13	10	10
610B574H01	SHIELD DUST 4.750) OF .0	19	5	10

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652A589H03	FLATWASHER, GUIDE WHEEL SPINDLES	62	6	10
70220DPN1F	STOPNUT .500-20	49	10	10
70220DPN1F	THRUST WASHER, SUN GEAR	1	1	1
8589C64144	LOCK, HUB BEARING NUT	4	1	1
8589C64H50	SNAP RING, SUN GEAR RETAINER	4	1	1
404P547H36	SEAL SLEEVE KIT	5	3	5
404P687H08	GASKET	10	5	10
404P698H01	UNIVERSAL JOINT	9	2	2
404P698H03	YOKE SHAFT	5	1	2
8589C64109	COVER PINION BEARING CAGE	7	3	6
8589C64H20	OIL SEAL PINION BRG. CAGE	2	3	6
2532B93H01	AXLE YOKE SPLINED HOLE	5	1	2
3794C83H01	TOOTHED WHEEL .50 THK STL PL B	6	1	1
3909C68H01	MOUNTING BRACKET 2.12)6.50 DIA	3	1	1
3D15668H01	END YOKE, MOTOR	3	1	2
404P698H02	SLIP YOKE	2	1	1
2532B34G01	RIGHT HAND BALL SOCKET ASSEMBL	4	1	2
2532B34G02	LEFT HAND BALL SOCKET ASSEMBLY	5	1	2
2560B11G01	DRIVE SHAFT ASSY.	1	0	1
3437C83H04	STEEL TUBE 18.25) 1.00	3	1	1

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	ID X			
2969A44H01	BOLT	7	4	8
3973C23H02	JAM NUT, TOWBAR	3	1	2
6246D70G04	SUSPENSION FRAME DETAILS PORKCHOP SPRING	2	0	1
6246D70G05	SUSPENSION FRAME DETAILS PORKCHOP SPRING	2	0	1
20203AB00A	GREASE	0	0	0
404P443H02	RELAY	47	0	0
404P645H20	CONNECTOR	0	0	0
526D759H01	SHIELD INTERLOCK ASSY. (LS2/BSC	0	0	0
62111MB35F	CABLE	0	0	0
70010CJ15Z	SCREW ANTICLIMBER	0	2	10
8367D80G01	MOTOR CONTROL BOX COVER	1	0	1
404P352H32	TEMPERATURE SENSOR INDICATOR SPINDLE	81	5	10
404P547H01	SPINDLE SEAL	47	8	58
404P547H02	SEAL UPPER GUIDE SPINFLES	41	8	58
4722A42H06	BOLT SPINDLES, GUIDE TIRE	80	16	8
652A589H01	WASHER .188) OF 2.375 DI	5	4	4
404P546H01	BEARING CUP	40	8	58
404P546H02	BEARING CONE	41	8	58
404P546H03	BEARING CUP	52	8	58

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404P546H04	BEARING CONE	53	8	58
404P547H17	HUB SEAL #2 END	17	4	2
8589C64H62	BEARING, OUTER #2 END	3	4	2
8589C64H63	CUB HUB BRG. OUTER #2 END	2	4	2
8589C64H67	CUP HUB BRG. INNER #2 END	6	4	2
8589C64H68	CONE HUB BRG. INNER #2 END	8	4	2
404P547H13	SEAL, #1 END HUB	6	2	2
404P698H10	BEARING CUP #1 END OUTER	7	2	2
404P698H11	BEARING #1 END OUTER	5	2	2
404P698H12	BEARING #1 END (A,B,C) 665A	7	2	2
404P698H13	BEARING CUP #2 INNER	6	2	2
404P698H14	GASKET #1 END HUB	10	3	5
409P051H03	LARGE DIAPHRAM SPEING BRAKE CHAMBER	23	5	10
409P051H04	SMALL DIAPHRAM SVC. BRAKE CHAMBER	25	5	10
409P086H12	WEDGE GUIDE	11	3	6
5585B41H05	ADJUSTING PLUNGER ASSY 16 DEG	15	4	12
8589C64H63	SPRING RETURN	8	3	6
8589C64H85	PLUNGER SEAL	28	5	10
8589C64H80	BOLT ADJUSTING	17	4	12

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8589C64H91	CLIP HOLD DOWN	13	3	6	
8589C64H93	BRAKE WEDGE	13	4	8	
404P698H15	WHEEL STUD (LH)	22	10	40	
404P698H16	WHEEL STUD (LH)	30	10	40	
404P698H19	STUD (RH) HUB	16	10	20	
404P698H20	#1 END HUB	21	10	20	
404P845H01	LOCKNUT, MAIN DRIVE TIRES	81	10	30	
8589C64142	STUD PLANETARY	19	5	10	
8589C64H65	#2 END HUB	28	5	10	
8589C64H72	CAPSCREW BRAKE DRUM	24	5	10	
404P698H17	WHEEL STUD CAP (RH)	16	10	40	
404P698H18	WHEEL STUD NUT (LH)	5	10	40	
404P698H21	STUD LONG DIF	26	5	10	
404P698H22	STUD SHORT DIFF	15	5	10	
4724A90H01	BOLT, GUIDE STRUCTURE	31	3	6	
4724A92H01	WASHER, L-9'S .875 HIGH STRENGTH	31	16	8	
4724A92H02	NUT, L-9'S, .875-14 HIGH STRENGTH	17	16	8	
70210BK61L	NUT, .750-10 HEX STL, SPRINGS	64	20	100	
8589C64130	LOCK NUT DIFF	13	10	30	
8589C64140	FLAT WASHER DIFF	33	10	30	
1C41450H01	THRUST WASHER 4.31 DIA) .09 TH	16	0	0	
2563B52H01	HUBOMETER	1	0	1	
2536B52H02	BRACKET MTG. #155	1	0	1	
2969A43H01	L9 BOLT	11	4	12	
4724A91H01	BOLT .312-18 X .88LG	20	5	20	
6243D67H09	SPRING PLATE	4	1	2	
652A589H02	SPACER LEAF SPRING	6	3	12	
70100EG0BX	BOLT LEAF SPRING	7	1	10	
70210BK61D	NUT, SPRING	24	1	3	
70510DL10W	LOCKWASHER, SPRINGS	9	4	10	
8586C26H01	SLEEVE (SPRINGS)	8	4	8	
8586C26H06	KELTROL SLEEVE	8	4	8	

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404P769H02	SHRINK TUBING 1.10X.375 TRACTION MOTER	33	10	30
4675C16H03	BUSHING MAIN TRANSFORMER	8	2	2
4675C76H01	CLAMP	19	10	30
2263D94G01	BRUSH HOLDER ASSEMBLY	2	0	0
2263D94H02	BRUSH SPRING	46	15	10
2539B60H01	FILTER, MOTER COVERS	9	0	0
3A63286H14	COTTER PIN .062X1.25 MOTOR BRUSH SRPING	136	15	30
5586B66H01	CARBON BRUSH GRADE W187	28	54	48
570A055H03	"O" RING, MOTOR COVERS	9	0	0
6158A81H01	BUSHING, MOTOR	3	0	4
8837D54H03	SCHOCK ABSORBER BUSHING	0	0	0
1020J38G01	FILTERED COMMUTATOR COVER (RH)	2	1	1
1020J38G02	FILTERED COMMUTATOR COVER (LH)	1	0	1
404P769H01	SHRINK TUBING .220-.750	40	5	10
404P769H03	SHRINK TUBING 1.50X.50X9	22	10	30
70510DL10K	LOCKWASHER .190 X-DUTY STL, FSE	0	5	5
3965C97G01	INFORMATION RECEIVER ANTENNA	2	1	2
409P101H03	AC BALLAST	4	1	2
4722A46H10	O.S SENSOR BOLT	17	3	5
4724A98H01	MTG PLATE	3	0	1
7076D02G03	OVERSHOOT ANTENNA	2	1	1
404P959H10	AB BREAKER	19	2	3
404P595H26	AB BREAKER 1-POLE 20 AMP	22	5	5
404P595H28	AB BREAKER 1-POLE 50 AMP	6	2	3
404P365H07	RELAY DUST COVER	7	1	1
404P365H18	COVER PLASTIC	1	1	1
404P595H51	BREAKER	2	1	1
404P595H66	BREAKER 60A 120/240VAC	2	1	1
409P131H01	BREAKER 3 POLE 50 AMP	4	1	2
409P131H03	BREAKER	7	2	3
409P131H06	BREAKER 70A	3	1	1
404P595H29	BREAKER MOTOR OPERATOR	1	0	1
404P595H32	BREAKER	1	0	1
404P595H40	BREAKER	13	5	5
409P132H01	MOTOR CIRCUIT PROTECTOR	3	1	2
107D964H15	CAPACITOR 1 UF, 1000 VDC	1	1	2
3965C97G02	ANTENNA	1	0	1
404P595H48	BREAKER	1	0	1
404P595H43	BREAKER	1	0	1
404P595H52	BREAKER	2	0	1
404P595H55	BREAKER	1	0	1
107D964H21	CAPACITOR 12 UF, 1000 VDC	9	4	10
404P568H05	CAPACITOR BRACKET	8	2	4
5586B74H06	CONNECTOR 160 PIN STANDARD	1	0	1
404P374H16	PIN	0	0	0
404P541H03	CONNECTOR	8	2	4
404P618H04	CONNECTOR	1	0	1
404P645H54	CONNECTOR	10	1	1
409P059H02	SOCKET BLOCK 28 PIN	4	1	1

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409P221H50	TACH RUBBER BOOT	2	1	3
2698A54H04	ELECTRO MAGNETIC PICKUP	2	1	2
404P541H42	CONNECTOR CLAMP, TACH	5	1	2
404P645H55	CONNECTOR	2	0	1
7307D80G05	RELAY ASSY, TYPE UT-273 (2 IN-	1	0	1
404P480H25	CONTRACTOR	6	1	2
404P595H50	BREAKER	3	1	2
1268C86G04	STARTER CORE	2	0	0
404P480H36	CONTRACTOR INTERLOCK-PRC AUX CONT.	1	0	0
409P039H02	FUSE BLOCK PRC	6	1	2
4234B87H01	CURRENT ADJUSTING BOLT MOL RL	4	1	1
7307D80G04	MOL RELAY TYPE 223 "A" CAR ONLY	0	0	1
179C749G01	COIL 120 VAC CONTACT, PRC	4	0	0
4567B03H03	CAPACITATOR 1UF,660 VAC	12	0	0
8587C72G01	RESISTORS FOR 75Q THYR	8	0	0
8587C72G02	RESISTOR FOR 75W THYR	12	4	8
2560A90H04	LIGHTNING ARRESTOR	17	0	2
3965C22H12	DYNAMIC BRAKING FUSE 300A 600V	2	0	0
404P115H19	DIODER, SPECIAL 100A, 300V, REC	2	0	0
404P427H19	FUSE 8AMPS/600 VOLTS	3	0	5
404P594H14	VARISTOR 45 VOLTS DC	3	0	0
404P594H26	VAROSTPR .45 WATTS 1000A	0	0	0
404P695H15	RED LENS	7	0	0
404P695H16	WHITE LENS	7	0	0
404P709H02	HANDSET CRADLE	1	0	0
404P762H02	JOINT COMPOUND	3	1	3
404P683H08	THYRSITOR 200V/70A 2N4362 BATT. CHARGER	4	1	2
577B060H10	DIODE	11	2	5
577B060H11	DIODE	11	2	5
577B061H14	THYRISOTR	4	3	3
577B061H17	SILICON CONTROLLED RECTIFIER	10	4	2
577B061H18	SILICON CONTROLLED RECTIFIER	5	4	2
404P427H18	FUSE 3A 300V	6	0	0
404P427H20	FUSE	15	0	0
404P427H21	FUSE 3A 600V	8	0	0
404P427H23	FUSE 6A 600V	11	0	0
404P427H24	FUSE 15 AMP	16	0	0
404P427H25	FUSE 30 A 600V	16	0	0
404P554H19	FUSE	3	0	0
404P824H08	FUSE HOLDER	5	0	0
404P539H02	FUSE HOLDER	0	0	0
404P554H27	FUSE 600V 800A TYPE 4	1	0	0
404P824H12	FUSE HOLDER 30 A 600 V	6	0	0
409P024H05	CONTACT	12	0	0
409P082501	HEATER (FOR AIR COMPRESSOR CONTRACTOR)	8	5	20
2124F99H03	DC INVERTER (VEHICLE EMER. LIGHTS)	2	2	3
404P685H03	LAMP 120 VOLT	30	25	25
404P695H17	LAMP 30 VOLT 60 WATT	38	25	25
404P354H02	LAMP 28 VOLTS 50 WATTS	11	0	0

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404P354H03	MARKER LIGHT	18	0	0
404P360H14	BULB	18	0	0
404P695H08	PILOT LAMP BASE	0	0	0
404P888H02	LIGHT MARKER	9	0	0
404P331H02	SWITCH MATRIX 1X1	12	0	0
404P332H02	INDICATOR	6	0	0
404P332H03	SWITCH, MOMENTARY ACTION	6	0	0
404P332H04	SWITCH 4-POLE ALTERNATE A	2	0	0
404P332H05	SWITCH	4	0	0
404P334H02	LENS ASSEMBLY	0	0	0
404P334H03	LENS	0	0	0
404P695H09	LED DISPLAY	7	0	0
404P332H01	CAP DUMMY BLACK	23	0	0
404P595H46	BREAKER	2	0	0
4724A57H02	RELAY D.C VOLT 12 V	5	2	4
4724A57H03	RELAY D.C VOLT 24V	4	4	4
4768A05H10	CRITICAL RELAY 4 FORM C 12V DC	3	2	4
404P443H41	RELAY	4	0	0
404P443H45	RELAY	3	0	0
404P595H39	BREAKER	6	0	0
2977A69H04	SPRING	5	0	0
3930A81H01	SOCKER	5	0	0
3930A81H02	RET SPRING	12	0	0
404P365H14	NON-VITAL RELAY 24 DC 300 OHMS 8 CONTAC	98	0	0
404P428H01	RELAY	5	0	0
404P365H13	TELEPHONE RELAY 12VOLT	9	5	10
404P365H13	TELEPHONE RELAY 12 VOLT	4	5	10
404P365H17	SOCKET 28 CONTACT	2	3	5
404P365H19	RELAY TELEPHONE 24V	0	5	10
404P732H01	ANTENNA	1	0	1
1021J82H05	RELAY	3	3	3
2970A71H11	RELAY CONTROL, 14 POLE	1	0	1
404P443H42	RELAY	4	3	6
409P077H04	THYRECTOR DIODE ASSY (VEH & MAY MCR ONLY)	3	4	11
404P595H36	RELAY	1	0	1
4166A87G01	RELAY FAIL SAFE	6	1	1
2535B39H02	RELAY CONTAC @	3	1	1
2535B86H01	RELAY (W) TYPE BFD (SPEC	4	1	2
404P630H11	RELAY TYPE SG	3	1	1
404P630H12	RELAY	2	1	1
1253A83H02	RELAY 12V, 200 OHMS 2A	26	20	25
1253A83H13	RELAY 24V, 800 OHMS 5A	16	20	25
404P443H09	RELAY	4	0	0
404P595H38	BREAKER	1	0	0
1D47865H02	RESISTOR TUBE ASSY	1	0	1
2535B86H02	RELAY (W) TYPE BFD	5	0	0
404P630H02	RELAY 24 VOLT	1	0	0
404P630H07	DBR RELAY	5	2	5
404P595H83	SPRING CHARGING MOTOR KIT	2	0	0
8620A93H01	CONTACT BLOCK -SECONDARY DISC	5	0	0

Miami Dade County		Project # N093A		
8620A93H05	SWITCH – MOTOR CUTOFF	2	2	4
652A207H18	RESISTOR 3.0 OHMS 2	7	0	0
3909C72G04	ACCELEROMETER SWITCH	3	1	2
404P391H09	OUTLET RECEPT VECH	1	0	0
4675C54G01	CONTROL SW	1	0	1
404P335H36	LOBBY SENSOR SW ASSY	6	0	0
2561A35H03	HOLSTER PANEL, KNOB	0	0	0
4675C40G01	SWITCH ASSEMBLY, OVVERIDE SW	7	0	0
4675C40G02	SWITCH ASSEMBLY, STOP EMG. SW	5	2	3
4675C40G03	SWITCH ASSEMBLY	3	2	3
4675C40G04	SWITCH ASSEMBLY	5	2	3
4675C40G05	SWITCH ASSEMBLY, ENABLE SW.	5	2	3
4675C40G06	SWITCH ASSEMBLY, HOSTLE PANN DOOR	5	0	0
7081D46G02	SPEED POTENTIOMETER ASSEMBLY	12	3	6
8623A03H03	STD. PIN 18-16 AWG TYPE III	0	100	100
8837D17G03	TRANSIT EXPR@	4	0	0
8837D17G03	TRANSIT EXPR@	2	0	0
2560A76H05	SONA ALERT SES	1	1	1
2560A76H05	INHIBIT SWITCH	2	0	0
404P111H54	BATTERY CHARGER CUP 52000 MFD-30 WVDC	12	0	0
8837D17G02	MOUNTING BRACKET, SPEAKER, AMP	2	1	1
227D928H01	RESISTOR GATE PANEL ASSY(THYRSISTOR)	10	2	2
404P366H01	SOLDER TERMINAL	30	0	0
404P452H20	TERMINAL BLOCK	5	2	2
404P495H04	TERMINAL STRIP	1	1	1
409P144H48	TERMINAL BLOCK 5 POS 20 AMPS	0	1	2
4725A92H01	CONTACT- FLAG RELAY WIRE SIZE	45	0	0
6525A673H01	CURRENT TRANSDUCTOR 500/.10A	2	1	1
8623A03H02	STD. PIN 24-20 AWG TYPE III	100	50	100
8623A03H05	STD. SOCKET 24-20 AWG TYPE III	400	100	100
3D15257G01	GATE CONTROL TRANSFORMER	3	0	0
404P496H01	COIL	5	1	2
4768A30H01	TRANSFORMER	4	1	1
4768A05H11	CRITICAL RELAY 4 FORM C 24V	25	2	4
4768A30H01	TRANSFORMER	4	1	1
404P374H02	CONNECTOR	0	0	0
404P541H64	PROGRAM STOP INFO ANT CONN	1	1	1
70210BK612	NUT .190-32 HEX STL	1	20	120

TOOLS "INVENTORY
PARTIALDISCRIPTION

ACID TEST KIT, AND QUICK CHARGE
CABINET, STEEL CHARGE & TEST
MaNIFOLD CHARGING SCALE,
ELECTRONIC ELECTRIC FREON LEAK
DETECTOR FERON RECYCLE UNIT MISC.
SOLDER, SILFLEX WIRE, ETC.

PRESTO-LITE OXYGEN-ACETYLENE SET FOA
DEPTH MICROMETERS SIX FEET CU TUBING 1/4"
DIAMETER. M DREMELTOOL

SWAGING AND FLARING TOOLS
THERMOKING MANUAL.
THERMOMETER, DIGITAL .
TOOLBOX
TORCH, OXY-ACE W/TANKS
C TUBING BENDER, & CUTTER
C VACUUM METER, ELECTRONIC
.C VACUUM PUMP (MICRON PUMP)
,C VACUUM PUMP.
,C VVORKBENCH
AMP POWER, LUG SETTING TOOL
AMPTECTOR
BATTERY CHARGER, 12 V
BATTERY LOAD TESTER
E CABINET, FILES
E CAPACITANCE METER
E CHART RECORDER, 2 CH.
E CHART RECORDER, 6 CH.
E COUNT/TIMER
E CRIMPER, HAND
E CRIMPER, HAND
E CRIMPER, HAND
E CRIMPER, HAND
E CRIMPER, HYDRAULIC. HAND
E CURRENT GUN
E CURRENT GUN
E CURRENT "SHUNT
E DECADE CAPACITOR
E DECADE RESISTOR
E ELECTRICAL TOOL BOX
E FREQUENCY GENERATOR
E HEAT GUN
'E IC & COMPONENT TESTER
E IMPEDANCE BRIDGE

AREA PARTIAL DISCRIPTION

M BELT SANDER
M BENCH GRINDER
M BOLT CUTTERS
M BRAKE SHOE FITTING TOOLS.
M CABINET, STEEL
M CALIPER. DIGITAL
M CHOP SAW

M DRILL BIT SHARPENER.
M DRILL PRESS, 5 SPEED
M DRILL PRESS, W/PEDESTAL
M . -DRILL. 1/4".PNEUMATIC
M DRILL, 1/4"-RIGHT ANGLE
M DRILL. FLOOR STAND
M DRILL, ~18" CHUCK, REVERSIBLE
M DRILL, 3/8" HAMMER
M DRILL, SAITERY
M ELECTRIC HAND GRINDER
M ELECTRIC PENCIL ENGRAVER
M FIRE SAFE CABINETS
M GRINDING WHEEL DRESSER
M HYDRAULIC JACKS
M JACK. FLOOR LIFT~ HYDRAU
M JACK, FLOOR W/BASE. HYDRAULIC
M LEVELS
M LIFT TABLE. HYDRAULIC, 230 VAC
M LIFTING CHAIN
M LIFTING STRAPS
M MICROMETER, 1"
M MICROMETER, "DIAL
M POP RIVET GUNS.
M POWER HACKSAW
M PRESS, HYDRAULIC
M PRY BAR,
M PUMP, AIR/HYDRAULIC
" PUMP, OIL TANK, HAND
M RIVNUT SETTER
M RULERS, 100' TAPE
M SAFETY WIRE PLIERS.
M SANDPAPER
M SHOP VACUUM CLEANERS ONE WET
M SMALL WHEEL PULLER

TOOLS INVENTORY
PARTIAL DISCRIPTION

ACID TEST KIT, AND QUICK CHARGE M
CABINET, STEEL
CHARGING SCALE, ELECTRONIC M C ELECTRIC
FREON LEAKDETECTOR M C FERON RECYCLE UNIT
M .C MISC. SOLDER. SILFU;X WIRE, ETC. M ,C
PRESTO-LITE OXYGEN-ACETYLENE SET FCM
CHARGE & TEST MONIFOLD

... SIX FEET CU TUBING 1/4-DIAMETER.

M

C SWAGING AND FLARING TOOLS

M

o.. THERMOKING MANUAL.

M

A THERMOMETER. DIGITAL

M

A TOOLBOX

M

A TORCH, OXY-ACE WITANKS

M

A TUBING BENDER. & CUTTER

M

A VACUUM METER, ELECTRONIC

M

A VACUUM PUMP (MICRON PUMP)

M

A VACUUM PUMP.

M

A WORKBENCH

M

E AMP POWER, LUG SETTING TOOL

M

E AMPTECTOR

M

f BATTERY CHARGER, 12 V

M

E BATTERY LOAD TESTER

M

E CABINET. FILES

M

E CAPACITANCE METER

M

E CHART RECORDER, 2 CH.

M

E CHART RECORDER, 6 CH.

M

E COUNTDOWN TIMER

M

E CRIMPER. HAND

M

E CRIMPER. HAND

M

E CRIMPER. HAND

M

E CRIMPER, HAND

M

E CRIMPER. HYDRAULIC. HAND

M

E CURRENT GUN .

M

E CURRENT GUN

M

E CURRENT SHUNT

M

E DECADE CAPACITOR

M

E DECADE RESISTOR

M

E ELECTRICAL TOOL BOX

M

E FREQUENCY GENERATOR

M

E HEAT GUN

M

TOOLS INVENTORY
PARTIAL DISCRIPTION

8ELTSANDER BENCH GRINDER
BOLT CUTTERS BRAKE SHOE
FITTING TOOLS. CABINET.
STEEL CALIPER. DIGITAL CHOP
SAW DEPTH MICROMETERS
DREMEL TOOL , DRILL BIT
SHARPENER, DRILL PRESS,
SSPEED

DRILL PRESS, WIPEDESTAL

DRILL. 1/4" PNEUMATIC

DRILL, 1/4" RIGHT ANGLE

DRILL, FLOOR STAND

DRILL, 3/8" CHUCK, REVERSIBLE

DRILL, 3/8" HAMMER

DRILL, BATTERY

ELECTRIC HAND' GRINDER

ELECTRIC PENCIL ENGRAVER

FIRE SAFE CABINETS

GRINDING WHEEL DRESSER

HYDRAULIC JACKS

JACK, FLOOR LIFT, HYDRAULIC

JACK, FLOOR WIBASE, HYDRAULIC

LEVELS LIFT TABLE. HYDRAULIC, 230 VAC

LIFTING CHAIN LIFTING STRAPS

MICROMETER, 1" MICROMETER, DIAL POP

RIVET GUNS. ' POWER HACKSAW PRESS,

HYDRAULIC PRY BAR. PUMP,

AIR/HYDRAULIC PUMP, OIL TANK, HAND

RIVNUT SETTER RULERS, 100' TAPE SAFETY

WIRE PLIERS. SAND PAPER SHOP VACUUM

CLEANERS ONE WET TYPE. SMALL WHEEL

PULLER ' SPRING WRENCH

. SQUARES

.. TEA

WAGONS/CARTS

THICKNESS GAUGE

TIRE FILLER GAGES

MULTIMETER, DIGITAL
MULTIMETER, DIGITAL
OHMMETER, DIGITAL. LOW RESIST
OSCILLOSCOPE
OSCILLOSCOPE
OSCILLOSCOPE CART
POWER SUPPLY
POWER SUPPLY, REGULATED
POWER SUPPLY, REGULATED

M TORQUE WRENCH
M TORQUE WRENCH
M TORQUE WRENCH
M TORQUE WRENCH, 0-200# 112" DRIVE
M TORQUE WRENCH, 0-200' # 112" DRIVE
M TORQUE WRENCH, 0-200-.318 DRIVE
M TORQUE WRENCH, (.80~ # 318" DRIVE
M TORQUE-MULTIPLIER
M VACUUM CLEANER, WETIDRY POWER SUPPLY,
REGULATED
M VARIABLE SPEED SABER SAW SINE-SQUARE AUDIO
GENERATOR M VICE SOLDER STATION
M WORK BENCH WORAWERS TIC TRACER ME 60
DRAW SMALL HARDWARE CABINET TOOL BOX
ME ASSORTED PLIERS, CUTTERS, WIRE STRIPERS
TRANSISTOR TESTER ME DOOR TOOL BOX

TV-WRAP TOOL. ME HAND SHEET METAL NIBBLER VOLT/AMMETER CLAMP-ON ME HYDRQ METER
WELER SOLDERING GUN ME SPARE TOOL BOX EMPTY WORKBENCH S 3-1/4· SOCKET FOR BRAKE
REPAIR BOGIE FIXTURE S· 3-TON HYDRAULIC LIFE TABLE (FOR UNDER TR DIFFERENTIAL FIXTURE S
4-112" SOCKET 1" DRIVE, ADAPTED TO 314" DRI MAIN HUB FIXTURE S . CLEANING TANK MISC. SEAL
AND BEARING SETIING TOOLS COMM GRINDER, SPECIAL TIRE FIXTURE S DIFF. PINION NUT TOOL AIR
{IMPACT WRENCH 112", 314" S EXTRA DEEP SOCKET, 1 FOOT (X) 1-3/4"

AIR GRINDER S FAN, FLOOR

AIRLESS PAINT SPRAYER S FORKLIFT, AUTOPROP, BAT, POWER

I ASSORTED AIR HOSES S FORKLIFT, BA nERY POWER

I ASSORTED AIR PRESSURE GAUGE AND RES FOUR SOCKET DRIVERS IARGE 1-2"

• ASSORTED ALLEN WRENCHES S FOUR WHEEL CHOCKS. ~ .ASSORTED BOX AND OPEN END WRENCHES
IMPACT SOCKETS, 3 SPECIAL CUSTOMIZED W A ASSORTED C CLAMPSS INFRARED HEAT SENSOR IA
ASSORTED DRIU BITS S MOTOR & PHASE ROTATION TESTER \1 ASSORTED CAULKING GUNS S MOTOR
TESTER . M ASSORTED CRESCENTAND STILTON WRElii PC BOARD TEST 361

M ASSORTED EXTENSION CORDS S PI-TAPE ; M ASSORTED EXiENSION LIGHTS S POWER
SEMICONDUCTOR TEST M ASSORTED FILES S SHELF CAROUSEL M ASSORTED FLASH
LIGHTS S SHOP AIR COMPRESSOR M ASSORTED GREASE GUNS S STARTISTOP MODULE
TESTER M ASSORTED HACK SAWS S TIRE LOW PRES.SENSOR TESTER M ASSORTED
HAMMERS SY COMPUTER (TRAIN MIMIC) M ASSORTED MAILETS, SY KEYBOARD (TRAIN
MIMIC) M ASSORTED PUNCHES, SY MONITOR, COMP.(MIMIC) M ASSORTED
SCREWDRIVERS M ASSORTED SOCKET (IMPACT) SETS AND DRIVERS, 3/8,112, 3/4 M
ASSORTED SOCKET (STANDARD) SETS AND DRIVERS, 3/8,112,314 M ASSORTED WIRE
BRUSHES M BAND SAW M BEARING SEAL PULLER

FIRST SHIFT PM'S ---DAILY, 4 DAY, 8 DAY, WEEKLY, BI-WEEKLY, 16 DAY AND MONTHLY.

#100	DAILY
#101	4 DAY
#102	8 DAY
#103	16 DAY
#104	MONTHLY
#112	WEEKLY
#115	TWO WEEKS

FIRST SHIFT PM'S---ANNUAL, SEMI-ANNUAL AND QUARTERLY

January	
TASK #105	QUARTERLY INSPECTION, NORTH & SOUTH
#106	SEMI ANNUAL, NORTH-A
February	
TASK #106	SEMI ANNUAL, NORTH-C
March	
TASK #106	SEMI ANNUAL, NORTH-B
April	
TASK #105	QUARTERLY INSPECTION, NORTH & SOUTH
#106	SOUTH-A SEMI ANNUAL
#109	2 YEAR, REBUILD SOUTH A GUIDE WHEELS
May	
TASK #106	SOUTH-C SEMI ANNUAL
#109	REBUILD SOUTH C GUIDE WHEELS
June	
TASK #106	SOUTH-B SEMI-ANNUAL
#109	2 YEAR, REBUILD SOUTH B GUIDE WHEELS
July	
TASK #105	QUARTERLY INSPECTION, NORTH & SOUTH
#106	NORTH-A SEMI ANNUAL
August	
TASK #106	NORTH C-SEMI ANNUAL
#110	SEMI-ANNUAL NORTH TRAIN (LUB. RADIUS AND RING)

September

TASK #106 NORTH-B SEMI ANNUAL
#110 SEMI-ANNUAL SOUTH TRAIN (LUB. RADIUS AND RING)

October

TASK #105 QUARTERLY INSPECTION, NORTH & SOUTH
#106 SOUTH-A SEMI-ANNUAL
#108 ANNUAL, REBUILD SOUTH A DOOR OPERATORS
#107 ANNUAL, SOUTH TRAIN COLLECTOR REBUILD

November

TASK #106 SOUTH-C SEMI-ANNUAL
#108 ANNUAL, REBUILD SOUTH C DOOR OPERATORS

December

TASK #106 SOUTH-B SEMI-ANNUAL
#108 ANNUAL, REBUILD SOUTH B DOOR OPERATORS

SECOND SHIFT PM'S—DAILY, 4 DAY, 8 DAY, 16 DAY AND MONTHLY

#200 DAILY
#201 4 DAY
#202 8 DAY
#203 16 DAY
#204 MONTHLY

SECOND SHIFT PMS'S---QUARTERLY, SEMI-ANNUAL AND ANNUAL

JANUARY

TASK #205 – QUARTERLY, (SWITCHGEAR INSP., W/S BAT. TEST, 361 PCB,)
#209 – NORTH A GUIDE WHEEL REBUILD

FEBRUARY

TASK #206 – SEMI-ANNUAL, NORTH TRAIN (HOLD & CK. VALVE)
#209 – NORTH C GUIDE WHEEL REBUILD

MARCH

TASK #206 – SEMI-ANNUAL, SOUTH TRAIN (HOLD & CK. VALVE)
#209 – NORTH B GUIDE WHEEL REBUILD
#213 – 5 YEAR GRS RELAY CAL.

APRIL

TASK #205 – QUARTERLY, (SWITCHGEAR INSP., W/S BAT. TEST, 361 PCB,)

MAY

TASK #211 – ANNUAL HURRICANE DOOR TEST

JUNE

TASK #210 – ANNUAL, SWITCHGEAR

JULY

TASK #205 – QUARTERLY, WAYSIDE (SWITCHGEAR INSP., W/S BAT. TEST,
361 PCB,)

#208 – NORTH A DOOR OPERATOR REBUILD

AUGUST

TASK #206 – SEMI-ANNUAL, NORTH TRAIN (HOLD & CK. VALVE)

#208 – NORTH C DOOR OPERATOR REBUILD

SEPTEMBER

TASK #206 – SEMI-ANNUAL, SOUTH TRAIN (HOLD & CK. VALVE)

#207 – NORTH TRAIN COLLECTOR REBUILD, LUB COMP.

#208 – NORTH B DOOR OPERATOR REBUILD

OCTOBER

TASK #205 – QUARTERLY, WAYSIDE (SWITCHGEAR INSP., W/S BAT. TEST,
361 PCB,)

NOVEMBER

TASK #

DECEMBER

TASK #

THIRD SHIFT PMS – QUARTERLY, SEMI-ANNUAL AND ANNUALS

#303 60 DAYS MAIN TIRE CHANGE OUT PM
#304 MONTHLY

JANUARY

TASK #309 ANNUAL, NORTH-A SPINDLES REPLACEMENT
#310 3 YEAR, NORTH-A (#1 END AXLE, MAG. VALVE) (NEXT, 2003)
#311 ANNUAL, NORTH-A COMPRESSORS
#312 ANNUAL, A/C REPLACEMENT NA #1 END
#314 ANNUAL, NORTH-A PRESSURE SWITCHES, LEVELING VALVES
#362 SEMI-ANNUAL, NORTH-A VEHICLE DOORS
#364 ANNUAL REBUILD, NORTH-A WAYSIDE DOORS, BOTH

FEBRUARY

TASK #306 SEMI-ANNUAL, NORTH TRAIN GUIDE AXLE END PLAY
#309 ANNUAL, NORTH-C GUIDE AXLE REPLACEMENT
#310 3 YEAR, NORTH-C #1 END AXLE, MAG. VALVE (NEXT 2003)
#312 ANNUAL A/C REPLACEMENT NA#2 END
#314 ANNUAL, NORTH-C PRESSURE SWITCHES, LEVELING VALVES
#362 SEMI-ANNUAL, NORTH-C VEHICLE DOORS
#364 ANNUAL REBUILD, NORTH-C WAYSIDE DOORS, BOTH

MARCH

TASK #309 ANNUAL, NORTH-B SPINDLES REPLACEMENT
#310 3 YEAR, NORTH-B #1 END AXLE, MAG. VALVE (NEXT, 2003)
#311 ANNUAL, NORTH-C COMPRESSORS
#312 ANNUAL, A/C REPLACEMENT NC#1 END
#314 ANNUAL, NORTH-B PRESSURE SWITCHES, LEVELING VALVES
#362 SEMI-ANNUAL, NORTH-B VEHICLE DOORS
#364 ANNUAL REBUILD, NORTH-B WAYSIDE DOORS, BOTH

APRIL

TASK #309 ANNUAL, SOUTH-A SPINDLES REPLACEMENT
#310 3 YEAR, SOUTH-A #1 END AXLE, MAG. VALVE (NEXT, 2003)
#312 ANNUAL A/C REPLACEMENT NC#2 END
#314 ANNUAL, SOUTH-A PRESSURE SWITCHES, LEVELING VALVES
#362 SEMI-ANNUAL, SOUTH-A VEHICLE DOORS
#364 SEMI-ANNUAL, SOUTH-A WAYSIDE DOORS, BOTH

MAY

TASK #306 SEMI-ANNUAL SOUTH TRAIN GUIDE AXLE END PLAY
#309 ANNUAL, SOUTH-C SPINDLES REPLACEMENT
#310 3 YEAR, SOUTH-C #1 END AXLE, MAG. VALVE (NEXT, 2003)
#311 ANNUAL, NORTH-C COMPRESSORS
#312 ANNUAL A/C REPLACEMENT NB #1 END
#314 ANNUAL, SOUTH-C PRESSURE SWITCHES, LEVELING VALVES
#362 SEMI-ANNUAL, SOUTH-C VEHICLE DOORS
#364 SEMI-ANNUAL, SOUTH-C WAYSIDE DOORS, BOTH

JUNE

TASK #309 ANNUAL, SOUTH-B SPINDLES REPLACEMENT
#310 3 YEAR, SOUTH-B #1 END AXLE, MAG. VALVE (NEXT, 2003)
#312 ANNUAL, A/C REPLACEMENT NB #2 END
#314 ANNUAL, SOUTH-B PRESSURE SWITCHES, LEVELING VALVES
#362 SEMI-ANNUAL, SOUTH-B VEHICLE DOORS
#364 SEMI-ANNUAL, SOUTH-B WAYSIDE DOORS, BOTH

JULY

TASK #312 ANNUAL A/C REPLACEMENT SA #1 END
#311 ANNUAL, SOUTH-A COMPRESSORS
#314 ANNUAL, NORTH-A PRESSURE SWITCHES, LEVELING VALVES
#362 SEMI-ANNUAL, NORTH-A VEHICLE DOORS
#364 SEMI-ANNUAL, NORTH-A WAYSIDE DOORS, BOTH

AUGUST

TASK #305 ANNUAL, NORTH TRAIN MOTOR BEARINGS
#306 SEMI-ANNUAL NORTH TRAIN GUIDE AXLE ENDPLAY
#312 ANNUAL A/C REPLACEMENT SA #2 END
#314 ANNUAL, NORTH-C PRESSURE SWITCHES, LEVELING VALVES
#362 SEMI-ANNUAL, NORTH-C VEHICLE DOORS
#364 SEMI-ANNUAL, NORTH-C WAYSIDE DOORS, BOTH

SEPTEMBER

TASK #308 REPLACE COLLECTORS, NORTH
#311 ANNUAL, SOUTH-C COMPRESSORS
#312 ANNUAL A/C REPLACEMENT SC #1 END
#314 ANNUAL, NORTH-A PRESSURE SWITCHES, LEVELING VALVES
#362 SEMI-ANNUAL, NORTH-B VEHICLE DOORS
#364 SEMI-ANNUAL, NORTH-B WAYSIDE DOORS, BOTH

OCTOBER

TASK #308 REPLACE COLLECTORS, SOUTH

Miami Dade County

Project # N093A

#312	ANNUAL A/C REPLACEMENT SC #2 END
#314	ANNUAL, SOUTH-A PRESSURE SWITCHES, LEVELING VALVES
#362	SEMI-ANNUAL, SOUTH-A VEHICLE DOORS
#364	SEMI-ANNUAL, SOUTH-A WAYSIDE DOORS, BOTH

NOVEMBER

TASK #305	ANNUAL, SOUTH TRAIN MOTOR BEARINGS
#306	SEMI-ANNUAL SOUTH GUIDE AXLE ENDPLAY
#311	ANNUAL, SOUTH-B COMPRESSORS
#312	ANNUAL A/C REPLACEMENT SB #1 END
#314	ANNUAL, SOUTH-C PRESSURE SWITCHES, LEVELING VALVES
#362	SEMI-ANNUAL, SOUTH-C VEHICLE DOORS
#364	SEMI-ANNUAL, SOUTH-C WAYSIDE DOORS, BOTH

DECEMBER

TASK #312	ANNUAL A/C REPLACEMENT SB #2 END
#314	ANNUAL, SOUTH-B PRESSURE SWITCHES, LEVELING VALVES
#362	SEMI-ANNUAL, SOUTH-B VEHICLE DOORS
#364	SEMI-ANNUAL, SOUTH-B WAYSIDE DOORS, BOTH

Exhibit C

SYSTEM CHANGES

- Temporary Change Authorization
- Field Action Authorization
- Field Change Notice
- System Change Process

Exhibit C

%304	3 rd SHIFT MONTHLY (MOTOR INSP.,)
%305	3 RD SHIFT ANNUAL (LUB. TRACTION MOTOR)
%306	3 RD SHIFT SEMI-ANNUAL (GUIDE AXLE ENDPLAY INSPECTION)
%307	3 RD SHIFT ANNUAL (COLLECTORS REPLACE SEP., OCT.)
%309	3 RD SHIFT 2 YEAR (GUIDE AXLE ASSEMBLY REPLACEMENT)
%310	3 RD SHIFT THREE YEARLY (#1 END AXLE, MAG. VALVE)
%311	3 RD SHIFT ANNUAL (REPLACE COMPRESSOR)
%312	3 RD SHIFT ANNUAL (REPLACE A/C)
%314	3 RD SHIFT (LEVELING VALVE, PRESSURE SWITHCES)
%362	3 RD SHIFT SEMI-ANNUAL (VEHICLE DOORS)
%364	3 RD SHIFT SEMI-ANNUAL (WAYSIDE DOORS, BOTH FIS & SAT)
%368	3 RD SHIFT OPEN (FSE & AR REBUILD, MOL CAL.,)
%400	DATA SHEET NORTH GUIDE AXLE END PLAY
%401	DATA SHEET SOUTH GUIDE AXLE END PLAY
%402	DATA SHEET GUIDE AXLE ASSEMBLY REBUILD CHECK LIST
%403	DATA SHEET #2 END AXLE INSPECTION CHECK OFF
%404	DATA SHEET VEHICLE BATTERY LOAD TEST DATA SHEET
%405	DATA SHEET WAYSIDE BATTERY LOAD TEST DATA SHEET see Juan
%406	DATA SHEET FTD
%407	DATA SHEET #1 END AXLE INSPECTION CHECK OFF
%408	DATA SHEET TRACTION MOTOR

%409	DATA SHEET DOOR DATA SHEET (PRINT FROM 0: DRIVE)
%410	DATA SHEET GUIDEWAY PATCHES (PRINT FROM 0: DRIVE)
500	PARTS REQUIRED VEHICLE DOORS REBUILD
502	PARTS REQUIRED STATION DOORS REBUILD
503	PARTS REQUIRED GUIDE AXLES REBUILD
504	PARTS REQUIRED COLLECTORS REBUILD
505	PARTS REQUIRED COMPRESSORS REBUILD

System change process

All changes must be approved by the Owner.

Types of changes:

TCA ... Temporary Change Authorization, applicable for up to three (3) months, used for testing a new part or procedure.

ECN ... Engineering Change Notice is used to permanently make a change to the system. If approved this will result in very detail instructions from engineering on what to do and how to proceed.

FCN ... Field Change Notice is used to control the Adtranz equipment and software configurations at a field sites. This is a record of the fact that ECN is complete and the CAPL has been updated.

CAPL (Controlled Assembly Parts List), a formal process of ensuring that all components conform to the controlled configuration of a particular system or subsystem.

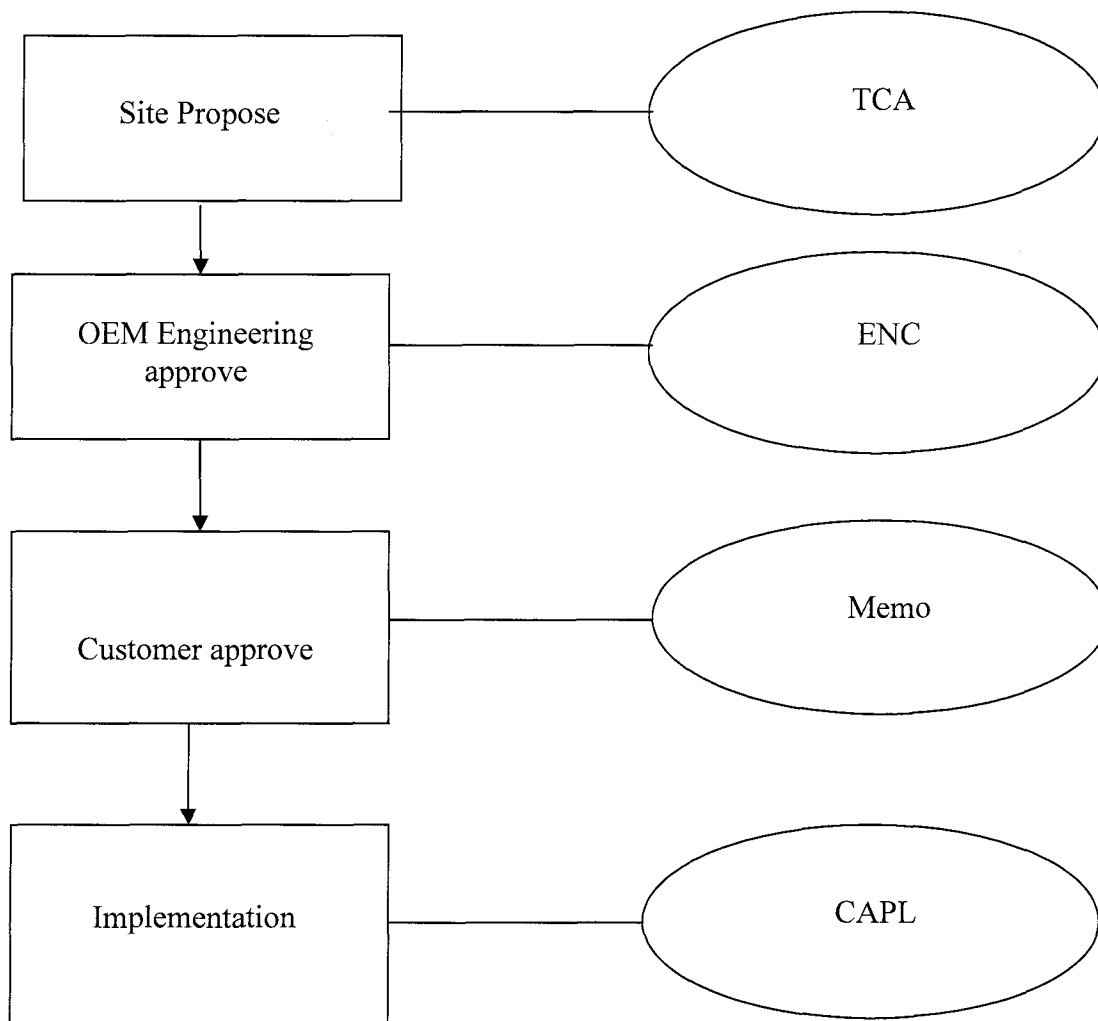


Exhibit D

Certification

- Central Control Operator Evaluation Check List
- Site Technician Skills Demonstration Program

**ADTRANZ – MIAMI INTERNATIONAL AIRPORT
CENTRAL CONTROL OPERATOR EVALUATION CHECKLIST**

NOTE: An ADTRANZ representative is to make a comment for each of the listed items. There are to be two ADTRANZ representatives evaluation the Central Control Operator. One should be present at Central Control to observe the operators reactions and performance in reference to the commands given; the second representative is to request commands and ride the train.

1. Remove one train from service for use during the evaluation. The operator that is being evaluated is to receive/perform the commands that are given.
2. While at berth, have the operator place the train in stop status with a hold.
3. Have the operator change all the door assignments to sterile and then have the operator change all the door assignments back to free.
4. Have the operator change the dwell time.
5. Have the operator remove all door assignments from the train by vehicle order. (it is up to the ADTRANZ representative to choose the order. The representative should enter the last vehicle that is removed in order to perform the next step.)
6. Place a call from the onboard emergency telephone. Wait for a response. Make sure the operator responds through the handset and not the hand held radio.
7. Have the operator make a P.A. announcement to the train.
8. Have the operator give the train a Run Auto Release.
9. While moving, have the operator give the train all sterile door assignments and a hold.
10. Have the operator remove the hold and release the train.
11. While moving have the operator give the train all free door assignments (no hold)
12. At the next station, disable a wayside door. Wait for a response. Operator should indicate problem and alarm indication.
13. Clear the door problem and request a hold
14. Have the operator start the aux. generator and advise when it is ready
15. Have the operator remove main power from the train and put the train on aux. power
16. Have the operator remove aux. power from the train and reinstate main power
17. Have the operator turn off the aux. generator
18. Enter the train and have the operator leave the train in stop status and remove the hold.
19. Drive the train out of the tunnel and stop on the guideway. Open a vehicle door and wait for a response from the operator. Operator should indicate the problem and alarm indication.
20. Using the phone on the guideway, request a P.A. announcement on the guideway.
21. Return to the vehicle but "do not" close the vehicle door. Ask the operator to connect main power to the train. Wait for a response. Operator should indicate problem and alarm indication.
22. Close vehicle door, have operator reinstate main power and drive the train to berth.

23. Depress the emergency stop button on the hostile panel to create a mechanical alarm.
Wait for a response. The operator should indicate problem and alarm indication.
24. Reset the train and step out of the vehicle. Have the operator give the train a Run Auto Release.
25. While the train is moving, open a wayside door to drop the train into stop status that will produce an Alarm-2. Wait for a response. The operator should indicate the location of the train if possible, the problem and the alarm indication.
26. Enter the guideway thru the glass doors at F.I.S. in order to trigger the alarm. Wait for the operator's response.
27. Have the operator reset the alarm.
28. Board the train, at this time ask the operator to make a P.A. announcement onboard the train. (ex. Stand away from the doors, the technicians are on their way....)
29. Drive the train to berth. Have the operator change the dwell time back to normal
30. Conclude the evaluation by having a discussion with the operator on procedures such as putting the other train on hold should one train stop on the guideway. Discuss any weaknesses discovered during the session.

ADTRANZ REPRESENTATIVE

MDAD OPERATOR

Name

Print

DATE _____

Signature

PASS _____

FAIL _____

Exhibit E

S.O.P. List

- Standard Operating Procedures

	Description	Revision List	Skills Demo Reference Number	Current Rev. Date
S	Respond to High Winds/Hurricane	00	N/A	09/14/98
S	Vacation/Attend. Policy and Procedure	00	N/A	03/01/00
S	Site Red Tag Procedure	00	N/A	03/01/00
S	Respond to Overshoot Alarm	01	4004	07/01/99
S	Respond to Dr. Opr. while Running	01	4005	07/10/99
S	Respond to Emer Brake Alarm	01	4006	03/30/00
S	Respond to MOL Alarm	01	4023	10/28/99
S	Respond to Dr. Fail to Open Alarm	00	4008	03/01/97
S	Respond to Dr. Fail to Close Alarm	00	4009	05/28/97
S	Perform Inventory Control	00	1005	04/04/00
S	Respond to Air Pressure Alarm	00	4011	09/09/97
S	Respond to Battery Charger Alarm	01	4012	10/28/99
S	Incidents Guidelines	00	N/A	10/28/99
S	Site Safety Guidelines	00	N/A	03/01/00
S	Respond to Dragging Brake	00	N/A	03/01/00
S	Respond to UPS Pwr. Fail/Indica	01	4016	07/18/99
S	Respond to Ground Fault	01	4017	07/19/99
S	Respond to Phase/Phase Fault	01	4018	07/12/99
S	Perform Dead Car Recovery	01	4019	07/10/99
S	Recover for Veh. Low Air Press	00	4020	12/03/96
S	Recover from a Total Power Loss	00	4021	12/03/96
S	Recover for MPB Trip	01	4022	10/01/99
S	Recover for Mtr Overload	01	4023	10/28/99
S	Perform Manual Train Recovery	01	4024	09/20/99
S	Perform Manual Train Operation	01	4025	11/20/96
S	Recover for Train Emergency Stp.	01	4026	10/28/99
S	Recover for Wayside Ovrsh. Fail	01	4027	10/28/99
S	Identify Cause Remove from Service	01	4028	07/10/99
S	Respond to Bomb Threat	00	4029	03/01/00
SOP29b	Respond to Fire Alarm	00	4029	03/01/00
S	Recover for Grnd. Phase/Phase	01	4030	07/26/99
S	Recover for Program Stop Fail	01	4031	07/26/99
S	Recover for Veh. Fail to Reverse	01	4032	07/26/99
S	Recover for No Auto Veh/Sta Dr	00	4033	03/01/97
S	Recover for No SBR	01	4034	07/26/99
S	Perform Purchasing/Ordering	00	1006	04/01/00
S	Recover from Car Pwr. Sup. Failure	00	4036	07/26/99

Miami Dade County

Project # N093A

S	Guideway Access	00	N/A	03/01/00
S	Power Lockout/Tagout	00	N/A	04/01/00
S	Emergency Response List/Procedure	00	N/A	05/05/00
S	Unattended Package	00	N/A	03/01/00
S	Airport Security	00	N/A	03/01/00

Exhibit F

System As-Built Configuration

- As built condition of the system
- List of Drawings Updated 02/11/00

Item	CAPL	Description	ASSY No.	Notes
1	4726A01G10	Vehicle Ass'y ("A" Car No. 1 End)	4675C45G03	
2	4726A02G09	Vehicle Ass'y ("A" Car No. 2 End)	4675C45G03	
3	4726A03G10	Vehicle Ass'y ("B" Car No. 1 End)	4675C45G04	
4	4726A04G10	Vehicle Ass'y ("B" Car No. 2 End)	4675C45G04	
5	4726A05G09	Trailing Axle Suspension	1121F53G01	
6	4726A06G09	Drive Axle Suspension	1121F08G01	
7	4726A07G03	Transformer Blower	4675C14G01	
8	4726A08G01	Main Transformer	4675C16G01	
9	4726A09G02	Braking Transformer	4675C15G02	
11	4726A11G04	Info & Train Time TX Cradle	8362D54G03	
12	4726A12G07	ATO Cabinet Gen. Ass'y ("A" Car)	8370D44G02	
13	4726A13G05	ATO Cabinet Gen. Ass'y ("B" Car)	8370D44G03	
14	4726A24G08	Train Control Ass'y	8370D24G01	
15	4726A25G10	Train Control Ass'y (Terminal Bldg.)	8370D23G01	
16	4726A25G10	Roadway Electrical Installation	1121F78G01	
	4726A27G02	Central Control Console Gen. Ass'y	8368D72G02	
18	4726A28G02	Mimic Display Board Cabinet Ass'y	8368D73G02	
19	4726A29G02	Power Center Interface Relay Cab. Ass'y	1121F93G01	
20	4726A32G01	Train Control Inter-Cabinet Cables	4765A24G01	
21	4726A33G03	Program Stop Enclosure Ass'y	1121F87G01	
22	4765A35G05	Overshoot Cradle	8362D56G02	
23	4746A36G04	Info & Train Tone TX Cradle	8362D54G02	
24	4765A37G08	Brake/Propulsion Cradle	8362D55G	

			02	
25	4765A38G07	Info RX & Traction Controller Cradle	8362D57G02	
26	4765A39G07	Info RX& Traction Controller Cradle	8362D57G02	
27	4765A40G07	Safe Tone RX & Traction	8362D59G02	
28	4765A52G07	TE-18A Motor Control Box	8368D01G02	
29	4765A53G06	TB-113A Aux. Control Box ("A" Car)	1120F44G02	
30	4765A53G05	TB-113A Aux. Control Box ("B" Car)	1120F44G03	
31	4726A79G01	P. A. Telephone Sw. & Term.	8370D85G01	
32	4726A80G01	P. A. Telephone Sw. & Term.	8370D85G01	
33	4726A81G03	Voice Communication System	8362D76G01	
34	4725A98G09	Air Control Package Gen. Ass'y Wiring Diag. B/M	8368D60G02	
35	4725A99G01	Brake Control Package Ass'y Wiring Diag.	8368D60G02	
36	4809A40G01	Air Brake System Aux. Release Package	8840D89G01	
Exhibit F				
37	4809A20G02	Non-Vital Relay Cabinet (Terminal Bldg)	2269D86G01	
38	8625A97G03	Low Tire Pressure Junction Box	3D99522G01	
39	3A88226G02	Ctl Radio Sys Computer Sys	6D55650G01	
40	3A88220G02	Communications Controller Cradle	6D55722G01	
41	3A88225G02	Wayside Comm Controller	6D55651G01	

Subject: Miami Airport "C" Car CAPL Summary Revised 04/27/99

Item	CAPL Number	Description	ASS'Y Number	Notes
1	4809A21G09	Vehicle Ass'y (No. 1 End)	4682C13G01	
2	4809A22G08	Vehicle Ass'y (No. 2 End)	4682C13G01	
3	4809A23G04	Under Car Equipment Instl	1021J91G01	
4	4809A25G06	Trailing Axle Suspension	1121F53G02	
5	4809A28G07	Drive Axle Suspension	1121F08G02	
6	4809A26G05	TE-18B Motor Control Box	8368D01G05	
7	4809A27G04	TE-113E Aux. Control Box	1120F44G04	
8	4726A07G03	Transformer Blower	4675C14G01	

9	4726A08G01	Main Transformer	4675C16G01	
10	726A09G02	Braking Transformer	4675C15G02	
11	4725A98G09	Air Control Pkg. Ass'y	8368D54G02	
12	4725A99G01	Brake Control Pkg. Ass'y	8368D60G02	
13	4809A40G01	Air Brake System Aux. Release Pkg. Ass'y	8840D89G01	
14	4809A24G04	ATO Cabinet General Ass'y	2264D93G01	
15	4726A11G04	Info & Train Tone Tx Cradle	8362D54G03	
16	4765A39G07	Info & Traction Controller	8362D57G03	
17	3A88226G01	Ctl Radio Sys Computer Sys	6D55650G01	

MIAMI-DADE COUNTY**BID NO.: 6784-4/06-0TR-LW****OPENING: 2:00 P.M.
WEDNESDAY
MAY 23, 2001****CLERK OF THE BOARD**Stephen P. Clark Center
MAY 23, 2001
111 NW 1st Street
17th Floor, Suite 202
Miami, Florida 33128-1983**INVITATION TO BID
SECTION 4.0 REVISED
BID PROPOSAL FORMS**PLEASE QUOTE PRICES F.O.B. DESTINATION, LESS TAXES, DELIVERED IN MIAMI-
DADE COUNTY, FLORIDA

NOTE: Miami-Dade County is exempt from all taxes (Federal, State, Local). Bid price should be less all taxes. Tax Exemption Certificate furnished upon request.

Issued by:	DPM Bids & Contracts Division	Date Issued:	This Bid Proposal Consists of Pages 91 through 94	Pages
------------	----------------------------------	--------------	--	-------

Sealed bids subject to the Terms and Conditions of this Invitation to Bid and the accompanying Bid Proposal. Such other contract provisions, specifications, drawings or other data as are attached or incorporated by reference in the Bid Proposal, will be received at the office of the Clerk of the Board at the address shown above on behalf of the Dade County Board of County Commissioners until the above stated time and date, and at that time, publicly opened for furnishing the supplies or services described in the accompanying Bid Proposal Requirement.

**MAINTENANCE OF SATELLITE TRANSIT SHUTTLE AT MIAMI-DADE COUNTY
AIRPORT FOR A ONE YEAR PERIOD WITH COUNTY OPTION TO RENEW FOR FOUR
(4) ADDITIONAL YEARS ON A YEAR BY YEAR BASIS**

A Bid Deposit in the amount of N/A of the total amount of the bid shall accompany all bidsA Performance Bond in the amount of N/A of the total amount of the bid will be required upon execution of the contract by the successful bidder and Miami-Dade County**DO NOT WRITE IN THIS SPACE**

ACCEPTED _____	HIGHER THAN LOWER _____
NON-RESPONSIVE _____	UNRESPONSIBLE _____
DATE B.C.C. _____	NO BID _____
ITEM NOS. ACCEPTED _____	

COMMODITY CODE: **96174**

SR PROCUREMENT AGENT: Virginia Howard, CPPB

FIRM NAME: _____

RETURN THREE COPIES OF BID PROPOSAL PAGES ONLY ;
FAILURE TO SIGN PAGE 93 OF SECTION 4.0, BID PROPOSAL, WILL RENDER YOUR BID NON-RESPONSIVE

BID PROPOSAL FOR:
MAINTENANCE OF SATELLITE TRANSIT SHUTTLE

FIRM NAME _____

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE
TOTAL			

1. We propose to furnish all labor, material, equipment, and supervision to adequately maintain the Satellite transit shuttle at Miami International Airport for a yearly lump sum of (Per Bid Section 3.1).....
\$ _____

(Write amount in words)

2. We propose to conduct an required pre-maintenance inspections and satisfactorily perform repairs as itemized for one lump sum of (per Bid Section 3.2)..... \$ _____

(Write amount in words)

3. We propose to furnish all labor, material, equipment, and supervision required to perform additional services against an allowance of not to exceed (per Bid Section 3.3)\$ 500,000

(Write amount in words)

TOTAL ITEMS 1, 2 AND 3 \$ _____

(Write amount in words)

BID PROPOSAL FOR: MAINTENANCE OF SATELLITE TRANSIT SHUTILE

Prompt Payment Terms: __% __days net __days

FEI NO.: __ / __ - __ / __ / __ / __

(Bidder Federal Employer Identification Number as used on Return Form 941) .

If none, Bidder Social Security No.

The undersigned bidder certifies that this bid proposal is submitted in accordance with the bid specifications and conditions governing this bid, and that the bidder will accept any award(s) made to him as a result of this bid.

FIRM NAME _____

STREET ADDRESS _____

CITY/STATE/ZIP CODE _____

TELEPHONE NUMBER _____

FAX NUMBER _____

E-MAIL _____

*AUTHORIZED SIGNATURE _____ Date

* PERSON AUTHORIZED TO ENTER INTO CONTRACTUAL AGREEMENT

PRINT NAME OF AFFIANT _____

TITLE OF OFFICER _____

**FAILURE TO SIGN THIS PAGE, WILL RENDER YOUR BID
NON-RESPONSIVE**

**BID PROPOSAL FOR:
MAINTENANCE OF SATELLITE TRANSIT SHUTILE
ACKNOWLEDGEMENT OF ADDENDA**

INSTRUCTIONS: COMPLETE PART I OR PART II WHICHEVER APPLIES

PART 1:

**LIST BELOW ARE THE DATES OF ISSUE FOR EACH ADDENDUM RECEIVED IN
CONNECTION WITH THIS BID**

Addendum #1, Dated _____

Addendum #2, Dated _____

Addendum #3, Dated _____

Addendum #4, Dated _____

Addendum #5, Dated _____

Addendum #6, Dated _____

Addendum #7, Dated _____

Addendum #8, Dated _____

Addendum #9, Dated _____

PART II:

☐ **NO ADDENDUM WAS RECEIVED IN CONNECTION WITH THIS BID**

FIRM NAME: _____

AUTHORIZED SIGNATURE: _____

DATE: _____

TITLE OF OFFICER: _____

APPENDIX A

(Revised Contract Language)

APPENDIX A

(Revised Contract Language)

The following contract language is incorporated into Contract # N093A and, where applicable, shall replace and/or supercede the sections of the agreement identified below. All other terms and conditions of the agreement not addressed in this document will remain the same.

SECTION 1, GENERAL TERMS AND CONDITIONS

Section 1.9 (revised) MODIFICATION OF THE CONTRACT

(to be inserted at page XXVIII, replaces Section 1.9, Modification of Contract)

The Contract may be modified only by mutual consent, in writing, and through the issuance of a modification to the contract, purchase order, change order or award sheet, dually acknowledged, as appropriate.

Section 1.10(A.)(revised) Termination for Convenience

(to be inserted at page XXVIII, replaces Section 1.10(A.), Termination for Convenience)

Notwithstanding the provisions of section 1.9 above, the County, at its sole discretion, may terminate this contract without cause by providing the Contractor with thirty (30) day advance notice. Upon the receipt of such notice, the Contractor to the fullest extent practicable shall not incur any additional costs under this contract. The County shall be liable for reasonable costs incurred by the Contractor in closing out the Contract, as mutually agreed to by the County and the Contractor.

Section 1.10(B.)(revised) Termination for Default

(to be inserted at page XXVIII, replaces Section 1.10(B.), Termination for Default)

The County may terminate this contract upon the failure of the Contractor to materially comply with any material provision and/or requirements of this contract. The County's decision not to take action upon the failure of the Contractor to perform shall not be construed as a waiver of the ability of the County to take additional action at a later date and time. The date of termination shall be stated in a written notice to the Contractor.

Section 1.10(D.)(new)

Termination for Impracticability

(to be inserted at page XXIX)

If specific parts/modules/assemblies required to operate the system become obsolete, or cannot be reasonably acquired or manufactured, and are deemed beyond reasonable repair or, in the event the APM system suffers non-recoverable sub-system failure to the extent that the APM system can no longer operate per the requirements of the County, the Contractor shall deem whether the APM system can continue to operate.

If the Contractor deems it impracticable to operate the system, it shall within (5) days provide notice in writing of such to MDAD. MDAD will then determine, within (30) days of receiving such notice, if they concur with this finding and shall provide such determination in writing to Contractor.

If the parties agree that the APM is impracticable to operate, all services being performed under this Agreement will be terminated within 30 days after County's determination, and neither party will have further liability or obligation under this Agreement. Any payments due to Contractor will be calculated in accordance with section 1.10(A) above.

If the parties do not agree that the system is impracticable to operate, then the County, at its expense, will have an independent assessment of the system conducted by a mutually agreed upon entity, within 30 days after County initial determination. If that assessment establishes that the APM system can be made operable, then the County, in its sole discretion, shall have the right to procure the labor parts, and/or materials necessary to accomplish the repairs, at the County's expense. The contractor shall be required to perform the repairs requested by the County, if such repairs can be successfully accomplished. If the Parties agree on the adequacy of work-around measures, pending repair of the system, the Contractor will operate the system if it can be done in a safe manner.

In the absence of a County determination within (30) days after the Contractor's notice of impracticability, or in the absence of an independent assessment within thirty (30) days after the County's determination (in the event of disagreement), the Contractor may cease to perform services under this Agreement and this Agreement shall terminate and neither party will have further liability or obligation under this Agreement.

Nothing in this Agreement shall require the Contractor to operate the system if the Contractor determines that operation of the system has been rendered unsafe for any reason. In such circumstances, the Contractor shall give notice to MDAD as soon as practicable in the circumstances that the system is, in the opinion of the Contractor, approaching an unsafe condition. The Contractor, MDAD and its consultants shall cooperate to rectify the problems that the Contractor identifies as being the cause of the potentially unsafe condition and the Contractor shall make every effort to coordinate the necessary repairs and minimize as much as possible any interruption to the services of the airport.

Section 1.12 (new) OBSOLESCENCE

(to be inserted at page XXIX)

Obsolescence of the APM. Contractor is responsible for regular monitoring and assessment of the APM and its constituent components and must provide the County at least (60) days notice, in writing, of any condition that Contractor knows by the exercise of reasonable diligence of any component becoming obsolete.

Should the County decide to re-configure or do redesign of obsolete parts or material, the County can request for the Contractor to provide services in support of overcoming noted obsolete items. The contractor shall not refuse to properly quote the work requested. County shall be responsible for the labor to diagnose problems, obtain quotes, procure, and arrange for rebuild or replacement at no cost to the Contractor.

SECTION 2.0, SPECIAL CONDITIONS

Section 2.7 (new) PRICES

(to be inserted at page 3, replaces Section 2.7, PRICES SHALL BE ESTABLISHED IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS)

The new six (6) month price, to include the provision of two (2) additional technicians, to perform maintenance services from July 29, 2007- January 28, 2008 is \$1,020,671.17. This price is predicated on the APM System operations as described in section below, entitled, "TRAIN SCHEDULE."

Note: Lucius Pitkin, Inc. (LPI's) inspection regime will be addressed as additional services as part of this agreement.

Section 2.11 (revised) INDEMNIFICATION AND INSURANCE – (15) – MAINTENANCE AND REPAIR SERVICES AT AVIATION

(to be inserted at page 3, replaces first paragraph, all other provisions of this section shall remain the same)

The Contractor shall defend, indemnify and hold the County and its officers, employees, agents and instrumentalities from any and all liability, losses and damages, including attorney's fees and costs of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits or causes of actions or proceedings of any kind or nature to the extent arising out of, relating to or resulting from the negligent performance or willful misconduct of the Contractor or its employees, agents, servants, partners, principals or subcontractors. The Contractor shall pay all

claims and losses in connection therewith and shall investigate and defend all claims, suits or action of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments and attorneys fees which may issue thereon. The Contractor expressly understands and agrees that any insurance protection required by this agreement or otherwise provided by the Contractor shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County, or its officers, employees, agents and instrumentalities as herein provided.

Section 2.13 (revised) LIMITATION OF LIABILITY

(to be inserted at page 5, replaces Section 2.13, INTENTIONALLY OMITTED)

Notwithstanding anything contained in this Contract to the contrary, the Contractor's total liability in respect of any and all claims for damages or losses, which may arise in connection with his performance or non-performance under this Contract shall not exceed Five Million U.S. Dollars (\$5,000,000), provided, however, that such limitation of liability shall not apply to the extent that:

- the losses and/or damages are directly caused by the Contractor's willful misconduct;
- the losses and/or damages are covered by insurance procured by the County in respect of this Contract, the system (whether individually or as part of the airport generally) or the services to be provided by the Contractor under this Contract;
- losses or damages are sustained by third parties relating to or resulting from the negligent performance or willful misconduct of the Contractor or its employees, agents, servants, partners, principals or subcontractors.

SECTION 3.0, TECHNICAL SPECIFICATIONS

Section 3.1 SCOPE

AVAILABILITY AND PAYMENT ADJUSTMENT,

d). (revised)

(to be inserted at page 22, replaces Section 3.1 SCOPE, AVAILABILITY AND PAYMENT ADJUSTMENT, d).)

The APM system will operate in such a manner that the operation schedule will provision, at a minimum, a 6-hour continuous shut down (23:00 – 05:00) for both North and South track(s). Each track will shut down every other night for 6 hours beginning at 23:00 to allow enough time to perform all scheduled preventive maintenance tasks. At 05:00 each morning, Bombardier will resume operation on the track that was shut down for maintenance activities. This will permit MDAD to operate one track continuously and without total shut down of the system. This schedule can be subject to change based on mutual agreement between the parties in order to satisfy changing airport operations which can include the total replacement of the existing trains.

h). (new)

(to be inserted at page 23)

Contractor's payment will not be subject to any penalties associated with System Availability or other performance measurements.

Appendix B

(Affidavits)

INTERIM AGREEMENT

THIS INTERIM AGREEMENT made and entered into as of the _____ day of _____, 20____, by and between Miami-Dade County, Florida, by its Board of County Commissioners, hereinafter called the Owner and

Bombardier Transportation (Holdings) USA, Inc.

hereinafter called the Contractor:

WITNESSETH, that the said Contractor, for and in consideration of the payments hereinafter specified and agreed to be made by the County, hereby covenants and agrees to furnish and deliver all the materials required, to do and perform all the Work and labor, in a satisfactory and workmanlike manner, required to complete this Interim Agreement within the time specified, in strict and entire conformity with the Plans, Technical Specifications and other Contract Documents, which are hereby incorporated into this Interim Agreement by reference, for;

PROJECT TITLE: Interim Agreement for Maintenance of Satellite Transit Shuttle System

PROJECT NO: N093A

The Contractor agrees to make payment of all proper charges for labor and materials required in the aforementioned Work, and to defend, indemnify and hold the County and all its officers, employees, agents and instrumentalities from any and all liability, losses and damages, including attorney's fees and cost of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits or causes of actions or proceedings of any kind or nature to the extent arising out of, relating to or resulting from the negligent performance or willful misconduct of the Contractor or its employees, agents, servants, partners, principals or subcontractors. The Contractor shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or action of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments and attorneys fees which may issue thereon. The Contractor expressly understands and agrees that any insurance protection required by this agreement or otherwise provided by the Contractor shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County, or its officers, employees, agents and instrumentalities as herein provided.

In consideration of these premises, the County hereby agrees to pay to the Contractor for the said Work, when fully completed, the total maximum sum of

Two Million Five Hundred Twenty Six Thousand Nine Hundred Seventy Two 17/100 Dollars (\$ 2,526,972.17),

consisting of the following accepted items or schedules of Work:

<u>Total Unit L.S. Months 1-6</u>	<u>\$ 1,020,671.17</u>
<u>General Allowance Account</u>	<u>\$ 900,000.00</u>
<u>Dedicated Allowance Account</u>	<u>\$ 600,000.00</u>
<u>Inspector General Audit Account (0.25% of contract value).....</u>	<u>\$ 6301.00</u>

TOTAL MAXIMUM CONTRACT AMOUNT\$ 2,526,972.17

The total maximum contract amount is subject to such additions and deductions as may be provided for in the contract documents. Partial and Final Payments will be made as provided for in the contract documents.

INTERIM AGREEMENT (Cont'd)

IN WITNESS WHEREOF, the above parties have caused this Interim Agreement to be executed by their appropriate officials as of the date first above written.

BOARD OF COUNTY COMMISSIONERS
OF MIAMI-DADE COUNTY, FLORIDA,

ATTEST: Harvey Ruvin Clerk

By: _____
Mayor or designee

By: _____
Deputy Clerk

(MIAMI-DADE COUNTY SEAL)

CONTRACTOR (If Corporation)

Approved for Form and Legal Sufficiency

(Corporate Name)

By: _____
President, Total Transit Systems

(Assistant County Attorney)

By: _____
Vice President, Business Operations